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DSSSB TGT Maths (Female) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	10/09/2021
Test Time	12:30 PM - 2:30 PM
Subject	TGT Maths-(Female)

Section : **General Ability**

Q.1 **Suppose you are a principal of ABC School and one of your teacher is not working properly, as a principal you would ____**

Ans
- ✔ 1. Talk to him and try to find out his problem and make an effort to solve it.
- ✘ 2. Give the teacher two weeks to improve.
- ✘ 3. Try to build up the teacher's abilities and interest in another job.
- ✘ 4. Impose a fine/penalty on him.

Question ID : **9277594834**

Q.2 **Six friends Arun, Barun, Rocky, David, Sam, and Peter participated in the marathon and they run for different distances. Arun ran more distance than Sam and Peter only. Barun ran more than Arun but less than David. Rocky ran for the maximum distance. Who ran the second largest distance?**

Ans
- ✘ 1. Barun
- ✔ 2. David
- ✘ 3. Sam
- ✘ 4. Arun

Question ID : **9277594832**

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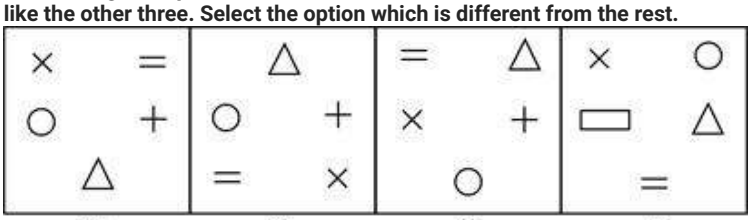
Q.3 **Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.**



Ans
- ✗ 1. Image 3
- ✓ 2. Image 4
- ✗ 3. Image 1
- ✗ 4. Image 2

Question ID : **9277594842**

Q.4 **Find the wrong term in the given series.**
6, 7, 10, 13, 21, 37

Ans
- ✗ 1. 37
- ✗ 2. 13
- ✓ 3. 10
- ✗ 4. 6

Question ID : **9277594830**

Q.5 **Select the option that is related to the third term on the same basis as the second term is related to the first term.**
125 : 75 :: 625 : ?

Ans
- ✗ 1. 275
- ✗ 2. 555
- ✓ 3. 575
- ✗ 4. 475

Question ID : **9277594826**

Q.6 **Complete the following letter series:**
BC, DEF, HIJK, _, VWXYZA, FGHIJKL

Ans
- ✗ 1. DCBA
- ✓ 2. NOPQR
- ✗ 3. RPOQA
- ✗ 4. OPRQN

Question ID : **9277594829**

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Q.7 If a mirror is placed on the line AB, then which of the answer figure is the correct mirror image of the given figure?

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Question ID : **9277594843**

Q.8 Chhotu was going on the highway and met with an accident. You are passing by in your car, you will ___

Ans

✓ 1. Give the first aid from the car and take him to the nearest hospital in your car.

✗ 2. Move ahead as stopping there may lead you to some legal troubles.

✗ 3. Call ambulance and proceed to your destination.

✗ 4. Gather people from the surroundings to get help.

Question ID : **9277594833**

Q.9 Six members A, B, C, D, E and F are sitting around a circular table facing centre but not necessarily in same order. E is to the immediate left of C, who is an immediate left of A. D is an immediate neighbour of B and F. Who sits between A and E?

Ans

✓ 1. C

✗ 2. B

✗ 3. F

✗ 4. D

Question ID : **9277594839**

Q.10 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans

✓ 1. XYA

✗ 2. MNL

✗ 3. TUS

✗ 4. IJH

Question ID : **9277594827**

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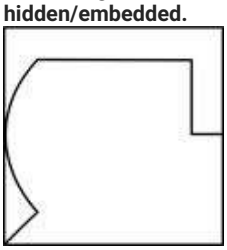
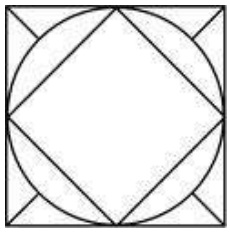
Q.11 From the given answer figures, select the one in which the question figure is hidden/embedded.

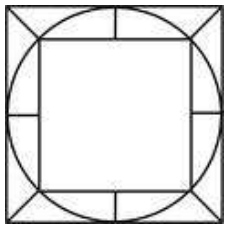


Ans

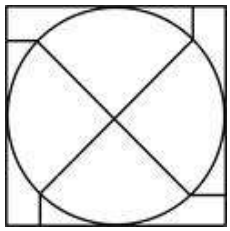
✗ 1.



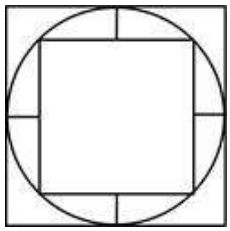
✓ 2.



✗ 3.



✗ 4.



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Question ID : **9277594841**

Q.12 Read the following statements and answer the question on their basis.
'A + B' means 'A is mother of B'.
'A - B' means 'A is husband of B'.
'A # B' means 'A is son of B'.
How is I related to L in the expression N # I + E — L?

Ans

✗ 1. Mother

✗ 2. Wife's mother

✗ 3. Father

✓ 4. Husband's mother

Question ID : **9277594838**

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Q.13 If the ratio between Simple interest of 2 years and the Difference between Compound interest to simple interest of 2 years is 40 : 1. Find out the rate of interest per annum.

Ans
1. 0.05 %
2. 0.125 %
3. 0.1 %
4. 0.25 %

Question ID : **9277594840**

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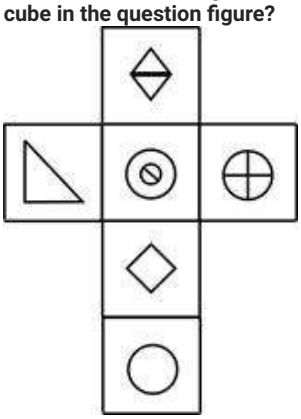
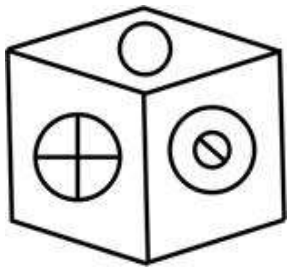
Q.14 **Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?**

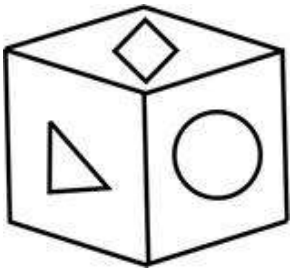


Ans

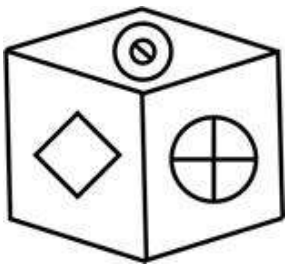
✔ 1.



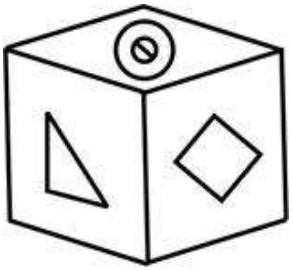
✘ 2.



✘ 3.



✘ 4.



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Question ID : **9277594845**

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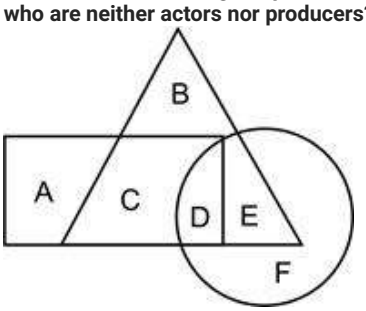
Q.15 In the following Venn Diagram, the triangle represents 'dancers', the circle represents 'actors' and the rectangle represents 'producers'. Which set of letters represents dancers who are neither actors nor producers?



Ans
✗ 1. F
✗ 2. A
✗ 3. C
✓ 4. B

Question ID : **9277594844**

Q.16 In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statement:
S > L < P = T ≥ V > R
Conclusions:
I. P > R
II. S ≥ V

Ans
✗ 1. Both conclusion I and II follow
✗ 2. Only conclusion II follows
✓ 3. Only conclusion I follows
✗ 4. Either conclusion I or II follow

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Question ID : **9277594831**

Q.17 Find the missing number in the given series:
61, 306, 1225, _, 7353, 7354

Ans
✓ 1. 3676
✗ 2. 3496
✗ 3. 3586
✗ 4. 3566

Question ID : **9277594835**

Q.18 Study the following information carefully to answer the given question: B % 4 H 7 $ Y 6 5 + 2 & N O S # L 9 1 @ !
How many such symbols are there in the above arrangement each of which is immediately followed by a consonant but not immediately preceded by a number?

Ans
✗ 1. Two
✗ 2. Four
✗ 3. Three
✓ 4. One

Question ID : **9277594836**

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Q.19 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✗ 1. Contemporary
✗ 2. Ballroom
✗ 3. Ballet
✓ 4. Spain

Question ID : **9277594828**

Q.20 If in the word 'EXPANSION' all the vowels are first arranged alphabetically and then all the consonants are arranged alphabetically and then all the vowels are replaced by the previous letters and the consonants are replaced by the next letters from the English alphabet. Which letter will be third from the left end?

Ans
✗ 1. Z
✗ 2. N
✓ 3. H
✗ 4. D

Question ID : **9277594837**

Section : **General Awareness**

Q.1 Which among the following line divide India and Pakistan?

Ans
✓ 1. Line of Control
✗ 2. Mannerheim Line
✗ 3. Hindenberg Line
✗ 4. Maginot Line

Question ID : **9277594857**

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Q.2 In which of the following cities, IOCL(Indian Oil Corporation Limited) has decided to build India's first-ever green hydrogen unit?

Ans
✗ 1. Mumbai
✗ 2. New Delhi
✓ 3. Mathura
✗ 4. Agra

Question ID : **9277594846**

Q.3 Who is the author of 'The Merchant of Venice'?

Ans
✓ 1. William Shakespeare
✗ 2. John Bunyan
✗ 3. Thomas Hardy
✗ 4. Somerset Maughan

Question ID : **9277594864**

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Q.4 When was the WTO (World Trade Organisation) founded?

Ans
✗ 1. 1st January 1998
✗ 2. 1st January 1993
✓ 3. 1st January 1995
✗ 4. 1st January 1991

Question ID : **9277594863**

Q.5 Which among the following element has the symbol 'He'?

Ans
✗ 1. Hydrogen
✗ 2. Nitrogen
✓ 3. Helium
✗ 4. Carbon

Question ID : **9277594862**

Q.6 Durand Line is in between which of the following countries?

Ans
✓ 1. Pakistan and Afghanistan
✗ 2. Afghanistan and Iran
✗ 3. Pakistan and India
✗ 4. Afghanistan and Uzbekistan

Question ID : **9277594856**

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Q.7 Who has written 'Indika'?

Ans
✗ 1. Vishakhadatta
✗ 2. Chandragupta Maurya
✓ 3. Megasthenese
✗ 4. Akbar

Question ID : **9277594849**

Q.8 Which of the following cups are associated with the game of Hockey?

Ans
✓ 1. Aga Khan Cup
✗ 2. BILT Cup
✗ 3. Asia Cup
✗ 4. Berna Bellack Cup

Question ID : **9277594852**

Q.9 Which of the following items is known as Allium Cepa as its Botanical name?

Ans
✗ 1. Brinjal
✗ 2. Tomato
✓ 3. Onion
✗ 4. Potato

Question ID : **9277594860**

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Q.10 When was the first commonwealth games held?

Ans
✗ 1. 1935
✗ 2. 1936
✓ 3. 1930
✗ 4. 1926

Question ID : **9277594853**

Q.11 Which of the following device is used to measure Altitude?

Ans
✗ 1. Microscope
✗ 2. Hygrometer
✗ 3. Thermometer
✓ 4. Altimeter

Question ID : **9277594859**

Q.12 By which of the following bank, the economy of India downgraded to 10% from 11%?

Ans
✓ 1. ADB(Asian Development Bank)
✗ 2. IDBI(Industrial Development Bank of India)
✗ 3. ICICI(Industrial Credit and Investment Corporation of India Bank)
✗ 4. PNB(Punjab National Bank)

Question ID : **9277594847**

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Q.13 Which of the following persons won the Gold medal in the javelin throw in the Tokyo Olympics 2020?

Ans
✓ 1. Neeraj Chopra
✗ 2. Nishad Kumar
✗ 3. Sushil Kumar
✗ 4. Abhinav Bindra

Question ID : **9277594848**

Q.14 The real executive power is vested in:

Ans
✗ 1. Supreme Court
✓ 2. Council of Ministers headed by Prime Minister
✗ 3. Governor of the State
✗ 4. Union Minister

Question ID : **9277594850**

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Q.15 On which of the following date, the Constitution of India was adopted by the Constituent Assembly?

Ans
✔ 1. 26th November 1949
✘ 2. 26th January 1949
✘ 3. 26th January 1950
✘ 4. 26th November 1950

Question ID : **9277594851**

Q.16 What is the main objective of Mission "TILHAN"?

Ans
✘ 1. to boost oilseed distribution
✔ 2. to boost the oilseed production
✘ 3. to boost oilseed export
✘ 4. to boost oilseed import

Question ID : **9277594858**

Q.17 Which among the following is the symbol of Lead?

Ans
✔ 1. Pb
✘ 2. Al
✘ 3. Au
✘ 4. Tn

Question ID : **9277594861**

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Q.18 Who has written 'The Jungle Book'?

Ans
✘ 1. Victor Hugo
✘ 2. Homer
✔ 3. Rudyard Kipling
✘ 4. Bulwer Lytton

Question ID : **9277594865**

Q.19 Which of the following folk dance originated from Odisha?

Ans
✘ 1. Kuchipudi
✔ 2. Ghumura
✘ 3. Kaligopal
✘ 4. Tippani Juriun

Question ID : **9277594854**

Q.20 From which of the following state folk dance of 'Jatra' originated?

Ans
✘ 1. Bihar
✘ 2. Jharkhand
✔ 3. West Bengal
✘ 4. Tamil Nadu

Question ID : **9277594855**

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Section : **Arithmetic Ability**

Q.1 **The H.C.F. of two numbers is 21 and the other two factors of their L.C.M. are 11 and 12. The larger of the two numbers is:**

Ans
✗ 1. 232
✗ 2. 242
✓ 3. 252
✗ 4. 231

Question ID : **9277594870**

Q.2 **Radhika purchases an IPhone and a TV for Rs.40000 and Rs.10000 respectively. She sold the first at a loss of 12% and the second at a profit of 8%. What is her overall loss/profit?**

Ans
✓ 1. Loss of Rs. 4000
✗ 2. Profit of Rs. 4000
✗ 3. Loss of Rs. 2400
✗ 4. Profit of Rs. 3560

Question ID : **9277594877**

Q.3 **The cost price of a chair was Rs. 1500. This price was marked up by 20% above the cost price. Chair was sold at a discount of 10% on the marked price. Find the selling price of chair.**

Ans
✗ 1. Rs. 1650
✓ 2. Rs. 1620
✗ 3. Rs. 1800
✗ 4. Rs. 1720

Question ID : **9277594879**

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Q.4 **The total sum of amounts of A and B at the end of 4 years and 2 years respectively on the same principal is Rs. 20,020. If A is charged Simple interest at the rate of 10% and B is charged Compound interest at the rate of 5%. Find the principal.**

Ans
✗ 1. Rs. 2,500
✗ 2. Rs. 7,500
✗ 3. Rs. 5,000
✓ 4. Rs. 8,000

Question ID : **9277594880**

Q.5 **A wall is constructed with dimensions 22 m long, 9 m high and 72 cm thick. If 20% of the wall is filled with mortar and each brick measures 22 cm × 12 cm × 9 cm, then find the number of bricks required to construct the wall.**

Ans
✗ 1. 4700
✗ 2. 28000
✗ 3. 15400
✓ 4. 48000

Question ID : **9277594881**

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Q.6 The Bar graph shows four painter A, B, C, D had painted different number of room from three building P, Q, R respectively.
Painter B and painter C is what percent of painter D for total room quantity from all building?

Ans
✗ 1. 250%
✗ 2. 150%
✓ 3. 300%
✗ 4. 200%

Question ID : **9277594885**

Q.7 A man invested Rs.10000 each in two banks at the same rate of 8% per annum for 2 years, but one at simple interest and the other is compounded annually. After 2 years, the total interest obtained is what percentage of the total sum invested?

Ans
✗ 1. 8.16%
✗ 2. 8%
✗ 3. 16%
✓ 4. 16.32%

Question ID : **9277594874**

Q.8 A train of length 450 m is crossing a river bridge with the speed of 15 m/sec and a boat is also crossing the river, which is just below the bridge. The length of the bridge is 150 m and the length of the boat is 50 m, what should be the speed of the boat so that both will reach to the other side of the river at the same time (consider the boat is travelling in still water)?

Ans
✗ 1. 2.5 m/sec
✗ 2. 6 m/sec
✗ 3. 4 m/sec
✓ 4. 5 m/sec

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Question ID : **9277594883**

Q.9 What will come in the place of question mark(?) in the following question?
66 × 66 ÷ 11 × 8 ÷ 8 ÷ (594/11) = ?

Ans
✗ 1. 66
✗ 2. 26/3
✗ 3. 33
✓ 4. 22/3

Question ID : **9277594866**

Q.10 P, Q, R and S entered into a partnership by investing the capital in the ratio of 2:3:5:4. If P invested the money for 9 months, Q for 8 months, R for 4 months and S for 6 months. Find the share of R in the annual profit of Rs. 64,500.

Ans
✗ 1. Rs. 21,000
✓ 2. Rs. 15,000
✗ 3. Rs. 18,000
✗ 4. Rs. 16,500

Question ID : **9277594878**

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Q.11 What approximate value will come in the place of question mark(?) in the following question?
(17.99 × 49.99) - (29.98 × 7.01) + 359.98 = ? × 29.9

Ans
1. 25 ✗
2. 35 ✓
3. 20 ✗
4. 15 ✗

Question ID : **9277594867**

Q.12 The table below shows number of boys and girls visiting five cities on a school tour.
What is the total number of girls visiting Agra and boys visiting Delhi together?

Ans
1. 268 ✗
2. 288 ✗
3. 258 ✗
4. 278 ✓

Question ID : **9277594884**

Q.13 What will come in the place of question mark(?) in the following question?
(2/3) × 48 + [7 + (1/4) × 64 + (1/4) × 96 - (1/2) × 14] = ?

Ans
1. 30 ✗
2. 72 ✓
3. 40 ✗
4. 50 ✗

Question ID : **9277594868**

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Q.14 Sunita can finish a project in 21 days and Sarita can finish the same project in 15 days. Sarita worked for 10 days and left the job. How many days would it take Sunita to finish the remaining work alone?

Ans
1. 11 days ✗
2. 10 days ✗
3. 7 days ✓
4. 12 days ✗

Question ID : **9277594882**

Q.15 The mean of 40 observations was 30. It was found later that an observation 32 was wrongly taken as 20. Find corrected new mean.

Ans
1. 30.3 ✓
2. 30 ✗
3. 30.4 ✗
4. 31.2 ✗

Question ID : **9277594876**

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Q.16 In the month of June, Nikhil's average expenditure for the first 10 days was Rs. 700 per day. After every 10 days, his average expenditure decreases by Rs. 15 and he earns Rs 23,000 per month. Calculate his savings in the month of June.

Ans
✔ 1. Rs. 2450
✘ 2. Rs. 2250
✘ 3. Rs. 2150
✘ 4. Rs. 2350

Question ID : **9277594875**

Q.17 The monthly income of Hari and Krishna together is Rs. 26,900. The income of Hari and Krishna is increased by 20% and 25% respectively. The new income of Krishna becomes 120% of the new salary of Hari. What is the initial income of Hari?

Ans
✔ 1. Rs. 12500
✘ 2. Rs. 15000
✘ 3. Rs. 14400
✘ 4. Rs. 10000

Question ID : **9277594873**

Q.18 Ram, Shyam and Ghanshyam have a business in which they share profit loss in the ratio of 5 : 4 : 3. When Shyam retires from the business, he gives his (1/4)th share to Ram and remaining to Ghanshyam. Find out the new profit sharing ratio of Ram and Ghanshyam.

Ans
✘ 1. 1:2
✔ 2. 1:1
✘ 3. 1:3
✘ 4. 2:1

Question ID : **9277594872**

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Q.19 Two vessels A and B contains water and alcohol in the ratio 1 : 4 and 4 : 5. In what ratio these mixture to be mixed in vessel C so that the ratio of water and alcohol in the vessel C be 2 : 3?

Ans
✘ 1. 3:7
✔ 2. 2:9
✘ 3. 9:2
✘ 4. 7:3

Question ID : **9277594871**

Q.20 Three number are in the ratio of 2 : 5 : 7 and their L.C.M. is 2100. Their H.C.F. is:

Ans
✔ 1. 30
✘ 2. 60
✘ 3. 15
✘ 4. 45

Question ID : **9277594869**

Section : **General English**

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Q.1 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

Some of us (has prepared for this type) of pressure and decision.

Ans
✗ 1. are been prepared for this type
✓ 2. are prepared for this type
✗ 3. have begun preparedness for this type
✗ 4. No correction required

Question ID : **9277594888**

Q.2 **Select the most appropriate meaning of the given proverb.**

The proof of the pudding is in its eating.

Ans
✗ 1. To know the truth.
✗ 2. Trying to be judgemental.
✗ 3. To take a chance.
✓ 4. The final results are the only way to judge something's quality or veracity.

Question ID : **9277594900**

Q.3 **Select the most appropriate idiom for the given sentence.**

To die.

Ans
✗ 1. Turn the tide.
✓ 2.
Kick the bucket
✗ 3. Sea change.
✗ 4. Have the blues.

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Question ID : **9277594899**

Q.4 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

She prefers her other suitor, George Neville, but when / Griffith loses his inheritance for her sake she excepts him, hoping / for a contented marriage without undue submission.

Ans
✗ 1. for a contented marriage without undue submission.
✓ 2. Griffith loses his inheritance for her sake she excepts him, hoping
✗ 3. She prefers her other suitor, George Neville, but when
✗ 4. No Error

Question ID : **9277594887**

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Q.5 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

The room Tripitaka (enters containing about 30 women,) all dressed in very brief clothing.

Ans
✔ 1. entered contained about 30 women,
✘ 2. No correction required
✘ 3. enters contained few 30 women,
✘ 4. entered containing about 30 women,

Question ID : **9277594889**

Q.6 Select the word that is similar in meaning (SYNONYM) to the word given below.

DISCOURTEOUS

Ans
✘ 1. TACTFUL
✔ 2. BRUSQUE
✘ 3. APPLAUD
✘ 4. HUMBLE

Question ID : **9277594895**

Q.7 Four words are given, out of which only one word is spelt incorrectly. Choose the incorrectly spelt word.

Ans
✘ 1. COLLECTABLE
✘ 2. BREWERY
✘ 3. CIRCUMCISE
✔ 4. SKILET

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Question ID : **9277594894**

Q.8 Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.

The Government of India Act was passed by

P. separate acts namely, the Government of India Act 1935 and

Q. the longest act enacted by the British Parliament

R. the British Parliament in August 1935, it was

S. at that time, hence it was divided into two

the Government of Burma Act 1935,

Ans
✘ 1. QSPR
✘ 2. PQRS
✘ 3. SPQR
✔ 4. RQSP

Question ID : **9277594892**

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Q.9 Select the word that is opposite in meaning (ANTONYM) to the word given below.

TRACTABLE

Ans
✗ 1. IMMOBILE

✓ 2. STUBBORN

✗ 3. DOCILE

✗ 4. FLEXIBLE

Question ID : **9277594897**

Q.10 The sentences below are not complete. There are four options for each question. Choose the best word to complete the sentence.

If Lott's original words are not enough to disqualify him as Senate leader, then his _____ grasp of public relations should be.

Ans
✗ 1. besmirch

✗ 2. instinct

✓ 3. maladroit

✗ 4. sensitive

Question ID : **9277594891**

Q.11 The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.

Historically, many cultures considered adultery a very serious crime, some subject to severe punishment.

P. Penalties include capital punishment, mutilation, or torture.

Q. These punishments are usually for the woman and only sometimes for the man.

R. In countries where adultery is still a criminal offense, punishments range from fines to caning and even capital punishment.

S. Such punishments have gradually fallen into disfavour, especially in Western countries from the 19th century.

Since the 20th century, criminal laws against adultery have become controversial, with most Western countries decriminalising adultery.

Ans
✓ 1. QPSR

✗ 2. SRPQ

✗ 3. PRQS

✗ 4. PQSR

Question ID : **9277594893**

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Q.12 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

The problem is there are no / clear guidelines as to what the / preliminary criteria should be.

Ans
✔ 1. preliminary criteria should be.
✘ 2. clear guidelines as to what the
✘ 3. The problem is there are no
✘ 4. No Error

Question ID : **9277594886**

Q.13 Fill in the blank with the most appropriate choice.

Accordingly, it is not within the competence of the Rules Committee, to _____ the common law.

Ans
✘ 1. assemble
✘ 2. bollix
✔ 3. abrogate
✘ 4. vacate

Question ID : **9277594890**

Q.14 Select the word that is similar in meaning (SYNONYM) to the word given below.

CORRALLED

Ans
✘ 1.
RELEASE
✘ 2.
FALTER
✘ 3.
EXPOSE
✔ 4.
COOP UP

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Question ID : **9277594896**

Q.15 Select the most appropriate 'one word ' for the expressions given below.

A person who introduces the performers or contestants in a variety show.

Ans
✔ 1. Compere
✘ 2. Stage Artists
✘ 3. Cypher
✘ 4. Anchor

Question ID : **9277594898**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the past, the age of marriage was young. The average age of marriage for women in India has increased to 21 years, according to 2011 Census of India. In 2009, about 7% of women got married before the age of 18. Arranged marriages have long been the norm in Indian society. Even today, the majority of Indians have their marriages planned by their parents and other respected family members. Recent studies suggest that Indian culture is trending away from traditional arranged marriages. Fewer marriages are purely arranged without consent and that the majority of surveyed Indian marriages are arranged with consent. The percentage of self-arranged marriages (called love marriages in India) have also increased vastly, particularly in the urban parts of India.
Weddings are a major business in India. According to a report by KPMG in 2017, the Indian wedding industry is estimated to be around $40–50 billion in size. It is the second largest wedding market after USA, which is at $70 billion. While the industry is very unorganised with small and medium scale businesses, there are also corporates who are trying to tap this industry. The prime factors for growth in the industry are the rise of middle class in India, an overall booming economy and use of social media. It is estimated that the cost of an Indian wedding ranges between INR 5 Lakhs to INR 5 crores. An Indian is likely to spend one fifth of his total life time wealth on a wedding.
Many Indian celebrities choose destination weddings, and Indians take inspiration from them. Both domestic and international destinations are popular for weddings in India. The destination wedding industry in India is estimated to cross INR 45,000 crore in 2020.

SubQuestion No : 16

Q.16 Select the word that is opposite in meaning to the underlined word '... particularly in the urban parts of India.' from the given options?

Ans

✗ 1. Cosmopolitan

✓ 2. Suburban

✗ 3. Civic

✗ 4. Developed

Question ID : **9277594902**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the past, the age of marriage was young. The average age of marriage for women in India has increased to 21 years, according to 2011 Census of India. In 2009, about 7% of women got married before the age of 18. Arranged marriages have long been the norm in Indian society. Even today, the majority of Indians have their marriages planned by their parents and other respected family members. Recent studies suggest that Indian culture is trending away from traditional arranged marriages. Fewer marriages are purely arranged without consent and that the majority of surveyed Indian marriages are arranged with consent. The percentage of self-arranged marriages (called love marriages in India) have also increased vastly, particularly in the urban parts of India.
Weddings are a major business in India. According to a report by KPMG in 2017, the Indian wedding industry is estimated to be around $40–50 billion in size. It is the second largest wedding market after USA, which is at $70 billion. While the industry is very unorganised with small and medium scale businesses, there are also corporates who are trying to tap this industry. The prime factors for growth in the industry are the rise of middle class in India, an overall booming economy and use of social media. It is estimated that the cost of an Indian wedding ranges between INR 5 Lakhs to INR 5 crores. An Indian is likely to spend one fifth of his total life time wealth on a wedding.
Many Indian celebrities choose destination weddings, and Indians take inspiration from them. Both domestic and international destinations are popular for weddings in India. The destination wedding industry in India is estimated to cross INR 45,000 crore in 2020.

SubQuestion No : 17

Q.17 Three assertions are given below (A, B & C) on the basis of your understanding of the passage, which of the following assertions are correct?

A. The wedding market in India is very huge & unorganised.

B. The percentage of self-arranged marriages have also increased vastly.

C. Average age for marriage of women in India has been increased to 25 years, according to a report by KPMG in 2017.

Ans

✗ 1. Only B and C is correct

✓ 2. Only A and B is correct

✗ 3. Only A and C is correct

✗ 4. All Assertions A,B and C are correct

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Question ID : **9277594903**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the past, the age of marriage was young. The average age of marriage for women in India has increased to 21 years, according to 2011 Census of India. In 2009, about 7% of women got married before the age of 18. Arranged marriages have long been the norm in Indian society. Even today, the majority of Indians have their marriages planned by their parents and other respected family members. Recent studies suggest that Indian culture is trending away from traditional arranged marriages. Fewer marriages are purely arranged without consent and that the majority of surveyed Indian marriages are arranged with consent. The percentage of self-arranged marriages (called love marriages in India) have also increased vastly, particularly in the urban parts of India.
Weddings are a major business in India. According to a report by KPMG in 2017, the Indian wedding industry is estimated to be around $40–50 billion in size. It is the second largest wedding market after USA, which is at $70 billion. While the industry is very unorganised with small and medium scale businesses, there are also corporates who are trying to tap this industry. The prime factors for growth in the industry are the rise of middle class in India, an overall booming economy and use of social media. It is estimated that the cost of an Indian wedding ranges between INR 5 Lakhs to INR 5 crores. An Indian is likely to spend one fifth of his total life time wealth on a wedding.
Many Indian celebrities choose destination weddings, and Indians take inspiration from them. Both domestic and international destinations are popular for weddings in India. The destination wedding industry in India is estimated to cross INR 45,000 crore in 2020.

SubQuestion No : 18

Q.18 Two assertions are given below (A & B) on the basis of your understanding of the passage, which one of the assertions is correct?

A. In India, now also a majority of parents arrange marriages of their children.

B. An Indian is likely to spend one fifth of his monthly income on a wedding.

Ans

✔ 1. A is correct, B is incorrect.

✘ 2. A is incorrect, B is correct.

✘ 3. Both A and B are incorrect

✘ 4. Both A and B are correct

Question ID : **9277594904**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the past, the age of marriage was young. The average age of marriage for women in India has increased to 21 years, according to 2011 Census of India. In 2009, about 7% of women got married before the age of 18. Arranged marriages have long been the norm in Indian society. Even today, the majority of Indians have their marriages planned by their parents and other respected family members. Recent studies suggest that Indian culture is trending away from traditional arranged marriages. Fewer marriages are purely arranged without consent and that the majority of surveyed Indian marriages are arranged with consent. The percentage of self-arranged marriages (called love marriages in India) have also increased vastly, particularly in the urban parts of India.
Weddings are a major business in India. According to a report by KPMG in 2017, the Indian wedding industry is estimated to be around $40–50 billion in size. It is the second largest wedding market after USA, which is at $70 billion. While the industry is very unorganised with small and medium scale businesses, there are also corporates who are trying to tap this industry. The prime factors for growth in the industry are the rise of middle class in India, an overall booming economy and use of social media. It is estimated that the cost of an Indian wedding ranges between INR 5 Lakhs to INR 5 crores. An Indian is likely to spend one fifth of his total life time wealth on a wedding.
Many Indian celebrities choose destination weddings, and Indians take inspiration from them. Both domestic and international destinations are popular for weddings in India. The destination wedding industry in India is estimated to cross INR 45,000 crore in 2020.

SubQuestion No : 19

Q.19 Select the most appropriate heading for the passage from the given options.

Ans

✗ 1. Medium scales business in India

✗ 2. Types of Marriages in India

✗ 3. Marriage Census of India

✓ 4. Marriages in India

Question ID : **9277594905**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the past, the age of marriage was young. The average age of marriage for women in India has increased to 21 years, according to 2011 Census of India. In 2009, about 7% of women got married before the age of 18. Arranged marriages have long been the norm in Indian society. Even today, the majority of Indians have their marriages planned by their parents and other respected family members. Recent studies suggest that Indian culture is trending away from traditional arranged marriages. Fewer marriages are purely arranged without consent and that the majority of surveyed Indian marriages are arranged with consent. The percentage of self-arranged marriages (called love marriages in India) have also increased vastly, particularly in the urban parts of India.
Weddings are a major business in India. According to a report by KPMG in 2017, the Indian wedding industry is estimated to be around $40–50 billion in size. It is the second largest wedding market after USA, which is at $70 billion. While the industry is very unorganised with small and medium scale businesses, there are also corporates who are trying to tap this industry. The prime factors for growth in the industry are the rise of middle class in India, an overall booming economy and use of social media. It is estimated that the cost of an Indian wedding ranges between INR 5 Lakhs to INR 5 crores. An Indian is likely to spend one fifth of his total life time wealth on a wedding.
Many Indian celebrities choose destination weddings, and Indians take inspiration from them. Both domestic and international destinations are popular for weddings in India. The destination wedding industry in India is estimated to cross INR 45,000 crore in 2020.

SubQuestion No : 20

Q.20 Select the word that is similar in meaning to the underlined word '... consent and that the majority of surveyed Indian marriages are arranged with consent. ' from the given options?

Ans
✔ 1. Analysis
✘ 2. Study
✘ 3. Observation
✘ 4. Cohesion

Question ID : **9277594906**

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Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो देशज शब्द का सही विकल्प हो।

Ans
✘ 1. कसरत
✘ 2. गिरफ्तार
✘ 3. ताज़ा
✔ 4. खिचड़ी

Question ID : **9277594907**

Q.2 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए वृत्ति के भेद का सबसे अच्छा विकल्प है।
संभव है आज मैं देरी से घर लौटू।

Ans
✘ 1. विध्यर्थ
✘ 2. संदेहार्थ
✔ 3. संभावनार्थ
✘ 4. संकेतार्थ

Question ID : **9277594915**

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Q.3 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए शब्द-युग्म के सही अर्थ का उचित विकल्प हो।
शूक-शुक

Ans
✗ 1. सब-सुग्गा
✗ 2. जौ-सब
✗ 3. चोटी-सिर
✓ 4. जौ-सुग्गा

Question ID : **9277594913**

Q.4 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प हो।

Ans
✓ 1. देश के जवानों ने तन-मन-धन से देश की रक्षा के लिए प्रयत्न किया|
✗ 2. देश के जवानों ने तन-मन-धन से देश की रक्षा के लिए प्रयत्न किया?
✗ 3. देश के जवानों ने तन, मन, धन से देश की रक्षा के लिए प्रयत्न किया|
✗ 4. देश के जवानों ने तन मन धन से देश की रक्षा के लिए प्रयत्न किया|

Question ID : **9277594918**

Q.5 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो अव्यय के भेद का सही विकल्प हो।
धन (के बिना) व्यवसाय चलाना कठिन है।

Ans
✓ 1. संबंधबोधक
✗ 2. निपात
✗ 3. क्रियाविशेषण
✗ 4. समुच्चयबोधक

Question ID : **9277594910**

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Q.6 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
अक्ल चक्कर आना

Ans
✗ 1. कठिन परिश्रम करना
✓ 2. कुछ समझ में न आना
✗ 3. बढ़ा-चढ़ाकर कहना
✗ 4. मुर्ख होना

Question ID : **9277594921**

Q.7 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो भाववाचक संज्ञा का सही विकल्प नहीं है।

Ans
✗ 1. कायरता
✗ 2. सामीप्य
✓ 3. शांत
✗ 4. मनाही

Question ID : **9277594909**

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Q.8 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
घाव हरा होना -

Ans
✗ 1. आत्मनिर्भर होना
✓ 2. पुराने दुःख को ताज़ा करना
✗ 3. गुस्सा करना
✗ 4. लालच देना

Question ID : **9277594920**

Q.9 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध शब्द का सही विकल्प है।

Ans
✗ 1. निरनिधि
✗ 2. नीरानिधी
✗ 3. नीरानीधि
✓ 4. नीरनिधि

Question ID : **9277594912**

Q.10 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के काल का सही विकल्प हो।
यदि तुमने पत्र लिखा होता तो मैं अवश्य आता।

Ans
✗ 1. अपूर्ण वर्तमानकाल
✗ 2. संभाव्य भविष्यकाल
✓ 3. हेतुहेतुमद भूतकाल
✗ 4. अपूर्ण भूतकाल

Question ID : **9277594914**

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Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो कोष्ठक में दिए गए शब्द के अनुसार विशेषण के भेद वाला विकल्प हो।
(इस) खरगोश को गड्ढे से बाहर निकालो।

Ans
✗ 1. संख्यावाचक विशेषण
✓ 2. सार्वनामिक विशेषण
✗ 3. परिमाणवाचक विशेषण
✗ 4. संबंधवाचक विशेषण

Question ID : **9277594908**

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए शब्द के सही अर्थ का उचित विकल्प हो।
सुंदर

Ans
✗ 1. वामा
✓ 2. ललित
✗ 3. सुरभि
✗ 4. सुवर्ण

Question ID : **9277594911**

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Q.13 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो सही वाक्य भेद का विकल्प हो।
वह इस आशा में प्रतीक्षा कर रहा है कि एक दिन उसे उसके पसंदीदा अभिनेता से मिलाने का मौका मिल जाए|

Ans
✗ 1. सरल वाक्य
✓ 2. मिश्र वाक्य
✗ 3. संयुक्त वाक्य
✗ 4. संदेहवाचक वाक्य

Question ID : **9277594916**

Q.14 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए लोकोक्ति का सही अर्थ वाला विकल्प है।
ऊँची दुकान फीका पकवान -

Ans
✓ 1. बाहरी आडंबर होना
✗ 2. अनपढ़ होना
✗ 3. कर्मों का फल भोगना
✗ 4. खाने की वस्तु आवश्यकता से कम होना

Question ID : **9277594919**

Q.15 निम्न विकल्पों में से उस विकल्प का चयन कीजिए जो शुद्ध वाक्य का सही विकल्प है|

Ans
✗ 1. मनुष्य का बेड़ा उसके अपने ही हाथ को है|
✓ 2. मनुष्य का बेड़ा उसके अपने ही हाथ में है|
✗ 3. मनुष्य की बेड़ा उसके अपने ही हाथ में है|
✗ 4. मनुष्य का बेड़ा उसके अपने खुद के ही हाथ में है|

Question ID : **9277594917**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
भारत में ही नहीं बल्कि भारत से बाहर भी राम लोकप्रिय हैं| राम के जीवन पर आधारित न जाने कितने ही ग्रन्थ भारत में तो मिल ही जाएँगे अपितु विश्वभर में भी इनकी संख्या कम नहीं है| राम एक लोकप्रिय जननायक हैं| भारत में तो जनमानस के प्राण हैं| राम के जीवन की एक-एक घटना बड़ी ही महत्त्वपूर्ण है, इसीलिए तो हर वर्ष भारत में रामलीला का आयोजन किया जाता है| हर बालक में माँ को राम-कृष्ण की छवि दिखती है. हर माँ का सपना होता है कि उनका बेटा राम जैसा आज्ञाकारी हो| राम की सौगंध लेकर स्वयं को निर्दोष सिद्ध करने की परम्परा भारत में प्रचलित है| एक आदर्श चरित्र के रूप में राम की स्वीकृति भारत के बाहर भी है|

SubQuestion No : 16

Q.16 हर माँ का सपना अपने बालक को लेकर क्या होता है?

Ans
✗ 1. कि वह भी राम ही बने
✗ 2. कि वह राम न बने
✗ 3. कि वह राम जैसा कुछ तो बने
✓ 4. कि वह भी राम जैसा आज्ञाकारी बने

Question ID : **9277594924**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
भारत में ही नहीं बल्कि भारत से बाहर भी राम लोकप्रिय हैं| राम के जीवन पर आधारित न जाने कितने ही ग्रन्थ भारत में तो मिल ही जाएँगे अपितु विश्वभर में भी इनकी संख्या कम नहीं है| राम एक लोकप्रिय जननायक हैं| भारत में तो जनमानस के प्राण हैं| राम के जीवन की एक-एक घटना बड़ी ही महत्त्वपूर्ण है, इसीलिए तो हर वर्ष भारत में रामलीला का आयोजन किया जाता है| हर बालक में माँ को राम-कृष्ण की छवि दिखती है. हर माँ का सपना होता है कि उनका बेटा राम जैसा आज्ञाकारी हो| राम की सौगंध लेकर स्वयं को निर्दोष सिद्ध करने की परम्परा भारत में प्रचलित है| एक आदर्श चरित्र के रूप में राम की स्वीकृति भारत के बाहर भी है|

SubQuestion No : 17

Q.17 अनुच्छेद के अनुसार भारत के बाहर राम की स्वीकृति किस रूप में है?

Ans
✔ 1. आदर्श चरित्र
✘ 2. आदर्श बेटा
✘ 3. आदर्श पुत्र
✘ 4. आदर्श मित्र

Question ID : **9277594925**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
भारत में ही नहीं बल्कि भारत से बाहर भी राम लोकप्रिय हैं| राम के जीवन पर आधारित न जाने कितने ही ग्रन्थ भारत में तो मिल ही जाएँगे अपितु विश्वभर में भी इनकी संख्या कम नहीं है| राम एक लोकप्रिय जननायक हैं| भारत में तो जनमानस के प्राण हैं| राम के जीवन की एक-एक घटना बड़ी ही महत्त्वपूर्ण है, इसीलिए तो हर वर्ष भारत में रामलीला का आयोजन किया जाता है| हर बालक में माँ को राम-कृष्ण की छवि दिखती है. हर माँ का सपना होता है कि उनका बेटा राम जैसा आज्ञाकारी हो| राम की सौगंध लेकर स्वयं को निर्दोष सिद्ध करने की परम्परा भारत में प्रचलित है| एक आदर्श चरित्र के रूप में राम की स्वीकृति भारत के बाहर भी है|

SubQuestion No : 18

Q.18 इस अनुच्छेद का कोई उपयुक्त शीर्षक-

Ans
✘ 1. राम ग्रन्थ
✘ 2. भारत की परंपरा
✔ 3. जननायक राम
✘ 4. रामलीला का आयोजन

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Question ID : **9277594927**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
भारत में ही नहीं बल्कि भारत से बाहर भी राम लोकप्रिय हैं| राम के जीवन पर आधारित न जाने कितने ही ग्रन्थ भारत में तो मिल ही जाएँगे अपितु विश्वभर में भी इनकी संख्या कम नहीं है| राम एक लोकप्रिय जननायक हैं| भारत में तो जनमानस के प्राण हैं| राम के जीवन की एक-एक घटना बड़ी ही महत्त्वपूर्ण है, इसीलिए तो हर वर्ष भारत में रामलीला का आयोजन किया जाता है| हर बालक में माँ को राम-कृष्ण की छवि दिखती है. हर माँ का सपना होता है कि उनका बेटा राम जैसा आज्ञाकारी हो| राम की सौगंध लेकर स्वयं को निर्दोष सिद्ध करने की परम्परा भारत में प्रचलित है| एक आदर्श चरित्र के रूप में राम की स्वीकृति भारत के बाहर भी है|

SubQuestion No : 19

Q.19 अनुच्छेद के अनुसार भारत में राम जनमानस के क्या मने जाते हैं?

Ans
✘ 1. सखा
✔ 2. प्राण
✘ 3. रूप
✘ 4. देव

Question ID : **9277594923**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।

भारत में ही नहीं बल्कि भारत से बाहर भी राम लोकप्रिय हैं| राम के जीवन पर आधारित न जाने कितने ही ग्रन्थ भारत में तो मिल ही जाएँगे अपितु विश्वभर में भी इनकी संख्या कम नहीं है| राम एक लोकप्रिय जननायक हैं| भारत में तो जनमानस के प्राण हैं| राम के जीवन की एक-एक घटना बड़ी ही महत्त्वपूर्ण है, इसीलिए तो हर वर्ष भारत में रामलीला का आयोजन किया जाता है| हर बालक में माँ को राम-कृष्ण की छवि दिखती है. हर माँ का सपना होता है कि उनका बेटा राम जैसा आज्ञाकारी हो| राम की सौगंध लेकर स्वयं को निर्दोष सिद्ध करने की परम्परा भारत में प्रचलित है| एक आदर्श चरित्र के रूप में राम की स्वीकृति भारत के बाहर भी है|

SubQuestion No : 20

Q.20 इनमें से कौन-सा आदर्श का समानार्थी शब्द नहीं है?

Ans
✗ 1. प्रतिमान
✗ 2. मानक
✓ 3. यथार्थ
✗ 4. प्रतिरूप

Question ID : **9277594926**

Section : **Discipline1**

Q.1 What is the vector equation of plane passing through point ā and perpendicular to the vector ō?

Ans
✗ 1. (r̄+ ā). ō= 0
✓ 2. (r̄- ā). ō= 0
✗ 3. ō
✗ 4. r̄. ō= ā. r̄

Question ID : **9277594935**

Q.2

Ans
✗ 1. m^2
✗ 2. m^2n^2
✗ 3. n^2
✓ 4. mn

Question ID : **9277594943**

Q.3 Maximum value of the function $f(x)= x^3+ 2x^2+ 1$ is

Ans
✓ 1. 2.185
✗ 2. -2.185
✗ 3. -1
✗ 4. 1

Question ID : **9277594929**

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Q.4 To reduce a matrix into row echelon from , apply

Ans
- ✗ 1. No operations
- ✗ 2. Both row and column operations
- ✗ 3. Only column operations
- ✓ 4. Only row operations

Question ID : **9277594945**

Q.5 A: All upper trianglar matrices are in echelon form. B:All matrices in echelon form are upper triangular matrices.

Ans
- ✗ 1. Statement A is false and B also is false.
- ✓ 2. Statement A is false and B is true .
- ✗ 3. Statement A is true and B is false.
- ✗ 4. Statement A is true and B is also true .

Question ID : **9277594947**

Q.6 What is the name of the curve y= 1/(1-x) ?

Ans
- ✗ 1. Parabola
- ✗ 2. Pair of straight lines
- ✓ 3. Hyperbola
- ✗ 4. Ellipse

Question ID : **9277594932**

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Q.7 If cosines of angles made by vector with coordinate axes are l, m and n then which option is correct ?

Ans
- ✗ 1. $l + m + n = 0$
- ✓ 2. $l^2 + m^2 + n^2 = 1$
- ✗ 3. $l + m + n = 1$
- ✗ 4. $l^2 + m^2 + n^2 = 0$

Question ID : **9277594937**

Q.8 What is the area in between y=6x, x=3 and X-axis ?

Ans
- ✗ 1. 9 sq.unit
- ✗ 2. 36 sq.unit
- ✗ 3. 18 sq.unit
- ✓ 4. 27 sq.unit

Question ID : **9277594933**

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Q.9 Let f(x,y) be a function, then what will be the steps to find stationary points ?

Ans

✗ 1. $\delta^2 f/\delta x^2=0, \delta^2 f/\delta y^2=0$

✗ 2. $\delta f/\delta x=0, \delta^2 f/\delta x^2=0$

✗ 3. $\delta f/\delta y=0, \delta^2 f/\delta y^2=0$

✓ 4. $\delta f/\delta x=0, \delta f/\delta y=0$

Question ID : **9277594928**

Q.10 Saddle Point is

Ans

✗ 1. an extreme point

✗ 2. a minimum point

✗ 3. a maximum point

✓ 4. neither a maximum nor a minimum point

Question ID : **9277594930**

Q.11 If p is prime.then $a^p \equiv a(\text{mod})p$, for all a belongs to Z. Which theorem has above statement ?

Ans

✗ 1. Livoullie's Theorem

✗ 2. Cauchy's Theorem

✓ 3. Fermet's Theorem

✗ 4. Pringhsum's Theorem

Question ID : **9277594944**

Q.12 A relation is an equivalence if the relation is

Ans

✓ 1. Reflexive, symmetric, and transitive

✗ 2. Transitive, reflexive

✗ 3. Symmetric, transitive

✗ 4. Reflexive, symmetric

Question ID : **9277594940**

Q.13 If α,β,and γ are the roots of the equation $ax^3+bx^2+cx+d=0, a\neq 0$ then $\alpha\beta+\beta\gamma+\gamma\alpha$ =

Ans

✗ 1. b/a

✓ 2. c/a

✗ 3. a/a

✗ 4. d/a

Question ID : **9277594938**

Q.14 $(\cos\theta + i\sin\theta),(\cos\phi + i\sin\phi)$=

Ans

✗ 1. $\sin(\phi-\theta)) + i\cos(\theta-\phi)$

✗ 2. $\cos(\theta-\phi) + i\sin(\phi-\theta)$

✓ 3. $\cos(\theta+\phi) + i\sin(\theta+\phi)$

✗ 4. $\sin(\theta-\phi) + i\cos(\theta-\phi)$

Question ID : **9277594939**

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Q.15 25(mod 3) =

Ans
✗ 1. 0
✗ 2. 3
✗ 3. 2
✓ 4. 1

Question ID : **9277594942**

Q.16 If the equation of curve has even power of y then

Ans
✗ 1. Curve is symmetric to Y-axis .
✓ 2. Curve is symmetric to X-axis.
✗ 3. Curve is not symmetric to any axis.
✗ 4. Curve is symmetric to X-axis and Y-axis both.

Question ID : **9277594931**

Q.17 curl(grad φ) =

Ans
✗ 1. unit vector k̂
✗ 2. इकाई सदिश Ĵ
✓ 3. 0
✗ 4. unit vector î

Question ID : **9277594936**

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Q.18 Let a and b be arbitrary elements in S and R be an equivalence relation on S then if b belongs to [a] , then

Ans
✗ 1. [b]>[a]
✗ 2. [b]<[a]
✓ 3. [b]=[a]
✗ 4. [b]≠[a]

Question ID : **9277594941**

Q.19 Row echelon form of a matrix is /are

Ans
✗ 1. two
✓ 2. Infinte
✗ 3. finitely many
✗ 4. unique

Question ID : **9277594946**

Q.20 What is the area of ellipse whose small axis is 2 and large axis is 4 ?

Ans
✓ 1. 8π
✗ 2. 4π
✗ 3. 16π
✗ 4. 64π

Question ID : **9277594934**

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Section : **Discipline2**

Q.1 What is doubling period of population ?

Ans
- ✗ 1. -(0.69314118)/a, where a= birth rate - death rate.
- ✓ 2. (0.69314118)/a, where a= birth rate - death rate.
- ✗ 3. -(0.59314118)/a, where a= birth rate - death rate.
- ✗ 4. (0.59314118)/a, where a= birth rate - death rate.

Question ID : **9277594962**

Q.2 d(y/x) =

Ans
- ✗ 1. $(x\,dy + y\,dx)/ y^2$
- ✓ 2. $(x\,dy - y\,dx)/ x^2$
- ✗ 3. $(x\,dy + y\,dx)/ x^2$
- ✗ 4. $(x\,dy - y\,dx)/ y^2$

Question ID : **9277594959**

Q.3 [a,b) is

Ans
- ✗ 1. Closed set
- ✗ 2. Open set
- ✗ 3. Null set
- ✓ 4. Semi closed set

Question ID : **9277594948**

Q.4 What is the order of the equation $d^2y/dx^2 + dy/dx + y=0$?

Ans
- ✗ 1. 3
- ✓ 2. 2
- ✗ 3. 1
- ✗ 4. 4

Question ID : **9277594958**

Q.5 What is the solution of $dy/dx= x^2- y$?

Ans
- ✓ 1. $(x^2-2x+2)\,e^x$
- ✗ 2. $e^x(x+1)^2$
- ✗ 3. $(x+1)$
- ✗ 4. $(x^2+2x-2)\,e^x$

Question ID : **9277594964**

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Q.6 What are infimum and the supremum of the set { 1/n; n belongs to N} ?

Ans
✗ 1. 1,0
✓ 2. 0,1
✗ 3. 2,1
✗ 4. 1,2

Question ID : **9277594950**

Q.7 A sequence $\{S_i\}$ is bounded if

Ans
✓ 1. $S_i \geq k$ for all i belongs to N , $S_i \leq K$ for all i belongs to N
✗ 2. $S_i < K$ for all i belongs to N
✗ 3. $S_i \geq k$ for all i belongs to N
✗ 4. $S_i \leq K$ for all i belongs to N

Question ID : **9277594952**

Q.8 If 'r' is a common ratio for a geometric series, then series is convergent if

Ans
✗ 1. $r \geq 1$
✗ 2. $r>1$
✓ 3. $r<1$
✗ 4. $r=1$

Question ID : **9277594956**

Q.9 Which option is correct ?

Ans
✓ 1. Mathematical modeling is a way of representation of problems with the help of mathematics formulas.
✗ 2. Mathematical modeling is not a way of representation of problems with the help of mathematics formulas.
✗ 3. Mathematical modeling is a way of representation of problems only related to biology.
✗ 4. Mathematical modeling is a way of representation of problems.

Question ID : **9277594965**

Q.10 The positive term series $\sum 1/n^{⅞}$ is

Ans
✗ 1. Oscillates finitely
✗ 2. Oscillates infinitely
✗ 3. Convergent
✓ 4. Divergent

Question ID : **9277594957**

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Q.11 A necessary condition for convergence of an infinite series $\sum u_i$ is

Ans

✗ 1. $u_i=10$ as i tends to infinity

✗ 2. $u_i=1$ as i tends to infinity

✓ 3. $u_i=0$ as i tends to infinity

✗ 4. $u_i=\infty$ as i tends to infinity

Question ID : **9277594955**

Q.12 What is the solution of the differential equation u"-2u'+u=0 ?

Ans

✓ 1. $(a+bx)\ e^x$, where a and b are arbitrary constants.

✗ 2. $(a-x)\ e^x$, where a and b are arbitrary constants.

✗ 3. $(a-bx)\ e^x$, where a and b are arbitrary constants.

✗ 4. $(a+x)\ e^x$, where a and b are arbitrary constants.

Question ID : **9277594963**

Q.13 Bolzano-Weierstrass Theorem states as

Ans

✗ 1. Every bounded sequence has supremum.

✗ 2. Every bounded sequence has limit.

✗ 3. Every bounded sequence has infimum.

✓ 4. Every bounded sequence has a limit point.

Question ID : **9277594954**

Q.14 The sequence $\{1 + (-1)^n\}$ is

Ans

✓ 1. Oscillates finitely

✗ 2. Oscillates infinitely

✗ 3. Convergent

✗ 4. Divergent

Question ID : **9277594953**

Q.15 Population growth graph goes.....

Ans

✗ 1. elliptical

✓ 2. exponentially

✗ 3. hyperbolically

✗ 4. parabolically

Question ID : **9277594960**

Q.16 If a and b are any two positive real numbers then

Ans

✓ 1. na>b such that n is a positive integer

✗ 2. na>b such that n is a integer

✗ 3. na<b such that n is a positive integer

✗ 4. na<b such that n is a integer

Question ID : **9277594951**

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Q.17 What is the third step of process of mathematical model ?

Ans
- ✗ 1. Define variables and parameters
- ✗ 2. Validate mathematical model
- ✓ 3. Construct equation
- ✗ 4. Compute model output

Question ID : **9277594967**

Q.18 Which option does not show the importance of mathematical modeling ?

Ans
- ✗ 1. Economic way of measurement.
- ✓ 2. Don't control the parameters.
- ✗ 3. Allow us to predict the future nature.
- ✗ 4. Best way to understand the behavior of the system.

Question ID : **9277594966**

Q.19 What is the population size at the time 't'?

Ans
- ✗ 1. e^at , where a= birth rate - death rate.
- ✓ 2. x(0) e^(at), where a= birth rate - death rate.
- ✗ 3. x(0) e^t , where a= birth rate - death rate.
- ✗ 4. x(0) e^a , where a= birth rate - death rate.

Question ID : **9277594961**

Q.20 Every non-empty set of real numbers which is bounded above has

Ans
- ✗ 1. supremum , not in R
- ✗ 2. infimum in R
- ✓ 3. supremum in R
- ✗ 4. infimum, not in R

Question ID : **9277594949**

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Section : **Discipline3**

Q.1 Image of a closed and bounded interval under continuous map is

Ans
- ✗ 1. open and unbounded
- ✓ 2. closed and bounded
- ✗ 3. open and bounded
- ✗ 4. closed and unbounded

Question ID : **9277594973**

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Q.2 Let V is a vector field defined on an open set S and f is a real valued function on S. When will this field be called a gradient field ?

Ans

✗ 1. V= curl(f)

✗ 2. V=|f|

✗ 3. V= grad(f)

✓ 4. V= ∇f

Question ID : **9277594982**

Q.3 To prove Rolle's theorem, what must be satisfied by the function f ?

Ans

✗ 1. f is differentiable on [a, b].

✗ 2. f is not continuous on [a, b]

✓ 3. f is differentiable on (a, b).

✗ 4. f is continuous on (a, b).

Question ID : **9277594975**

Q.4 what is the Taylor expansion of e^x ?

Ans

✗ 1. $1+ x+ (x^2/2)+ (x^3/3)+$.....

✓ 2. $1+ x+ (x^2/2!)+ (x^3/3!)+$.....

✗ 3. $x+ (x^2/2!)+ (x^3/3!)+$.....

✗ 4. $1+ 2x+ (3x^2/2!)+ (4x^3/3!)+$.....

Question ID : **9277594978**

Q.5 Let P(x, y) = x^2y and Q(x, y) = xy. Then what is single integral corresponds to $\int\int (y- x^2)\, dx\, dy$?

Ans

✗ 1. ∫ [xy dx + xy dy]

✓ 2. ∫ [x^2y dx + xy dy]

✗ 3. ∫ [x^2y dx - xy dy]

✗ 4. ∫ [x^2y dx + y dy]

Question ID : **9277594986**

Q.6 Second order Taylor's polynomial with variable x is

Ans

✗ 1. $f(a)+f'(a) (x-a)^3$

✓ 2. $f(a)+f'(a) (x-a)+(1/2!)f''(a) (x-a)^2$

✗ 3. $f(a)+f'(a) (x-a)^2$

✗ 4. $f(a)+f'(a) (x-a)+(1/2!)f''(a) (x-a)^3$

Question ID : **9277594976**

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Q.7 " surface integral of the curl of a function over a surface bounded by a closed surface is equal to the line integral of the particular vector function around that surface." Which theorem is this ?

Ans
✗ 1. Livouille's theorem
✓ 2. Stoke's theorem
✗ 3. Gauss divergence theorem
✗ 4. Green's theorem

Question ID : **9277594987**

Q.8 The limit of the function {log(1+x)}/x as x→0

Ans
✗ 1. 3
✓ 2. 1
✗ 3. 0
✗ 4. 2

Question ID : **9277594968**

Q.9 Let {f}, {g} and {h} are real sequence and {f}<={g}<= {h}, for all x€D(Deleted nbd of a point 'a') and limits of {f} and {h} as x→a, are l, then what is the limit of {g} as x→a ?

Ans
✗ 1. 1
✗ 2. a
✗ 3. 0
✓ 4. l

Question ID : **9277594969**

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Q.10 If f is a function, then it have .....

Ans
✗ 1. unique differentiable point.
✗ 2. unique limit point.
✓ 3. unique limit.
✗ 4. unique continuous point

Question ID : **9277594974**

Q.11 What is the sufficient condition for a function to be continues at (a,b) ?

Ans
✗ 1. One of the partial derivative exists and others exist at (a,b).
✗ 2. One of the partial derivative exists and it is bounded in a nbd of (a,b).
✗ 3. All partial derivatives exist at (a,b)
✓ 4. One of the partial derivative exists and it is bounded in a nbd of (a,b) and others exist at (a,b).

Question ID : **9277594980**

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Q.12 Let f(x) is a function then f(x) has discontinuity of second kind at x=a if

Ans

✗ 1. LHL exists at x=a.

✗ 2. any of RHL or LHL or both exist at x=a.

✗ 3. RHL exists at x=a.

✓ 4. any of RHL or LHL or both does not exist at x=a.

Question ID : **9277594972**

Q.13 Let f is a curve then what is the area of f ?

Ans

✗ 1. ∫xy dx dy

✓ 2. ∫dx dy

✗ 3. ∫dx

✗ 4. ∫ dy

Question ID : **9277594983**

Q.14 When will a real valued function f in two variable be local maxima at (a,b) ?

Ans

✗ 1. $\partial^2f/\partial x^2\ \partial^2f/\partial y^2 - \partial^2f/\partial x\partial y > 0,\ \partial^2f/\partial y^2 < 0$

✓ 2. $\{\partial^2f/\partial x^2\ \partial^2f/\partial y^2 - (\partial^2f/\partial x\partial y)^2\} > 0,\ \partial^2f/\partial x^2 < 0$

✗ 3. $\partial^2f/\partial x^2\ \partial^2f/\partial y^2 - \partial^2f/\partial x\partial y > 0,\ \partial^2f/\partial x^2 > 0$

✗ 4. $\partial^2f/\partial x^2\ \partial^2f/\partial y^2 - \partial^2f/\partial x\partial y > 0,\ \partial^2f/\partial y^2 > 0$

Question ID : **9277594981**

Q.15 Which is Maclaurin series?

Ans

✗ 1. f(0)+xf'(0)+(x²/2)f"(0)+.....

✗ 2. f(0)+xf(0)+(x²/2!)f'(0)+.....

✗ 3. f(0)+xf(0)+(x²/2!)f"(0)+.....

✓ 4. f(0)+xf'(0)+(x²/2!)f"(0)+.....

Question ID : **9277594977**

Q.16 If P(x, y) and Q(x, y) are scalar functions defined over a domain D with piecewise smooth closed boundary C, then

Ans

✗ 1. $\int\int[\partial Q/\partial x + \partial P/\partial y]dx\,dy = \int P(x,y)\,dx + Q(x,y)\,dy$

✓ 2. $\int\int[\partial Q/\partial x - \partial P/\partial y]dx\,dy = \int P(x,y)\,dx + Q(x,y)\,dy$

✗ 3. $\int\int[\partial Q/\partial x - \partial P/\partial y]dx\,dy = \int P(x,y)\,dx - Q(x,y)\,dy$

✗ 4. $\int\int[\partial Q/\partial x + \partial P/\partial y]dx\,dy = \int P(x,y)\,dx - Q(x,y)\,dy$

Question ID : **9277594985**

Q.17 The function f has limit at point x=a if

Ans

✗ 1. L.H.L.≠ R.H.L.

✗ 2. L.H.L.≤ R.H.L.

✓ 3. L.H.L.= R.H.L.

✗ 4. L.H.L.≥ R.H.L.

Question ID : **9277594970**

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Q.18 z=f(x,y), x=g(t) and y=h(t), then z is a differentiable function of t and

Ans

✔ 1. dz/dt= df/dx dx/dt + df/dy dy/dt

✘ 2. dz/dt= df/dx dy/dt + df/dy dy/dt

✘ 3. dz/dt= df/dx dx/dt + df/dy dx/dt

✘ 4. dz/dt= df/dx dx/dt + dx/dt dy/dt

Question ID : **9277594979**

Q.19 If f and g are two continuous functions at 'a' then f∘g and g∘f both are

Ans

✘ 1. not continuous for all values of x=a

✔ 2. continuous at x=a.

✘ 3. not continuous at x=a.

✘ 4. not continuous for all values of x.

Question ID : **9277594971**

Q.20 What is the value of the integral ∫∫xy dx dy when x goes from 1 to 2 and y goes from 0 to 1.

Ans

✘ 1. 3÷5

✔ 2. 3÷4

✘ 3. 3÷2

✘ 4. 3÷7

Question ID : **9277594984**

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Section : **Discipline4**

Q.1 If the sequence of continuous function {fn} converges to a continuous function f(x) on a compact set A and {fn}>= {fn+1} for all n belongs to N, then

Ans

✘ 1. {fn} tends to f(x) on A.

✘ 2. {fn} does not to f(x) uniformly on A.

✔ 3. {fn} tends to f(x) uniformly on A.

✘ 4. {fn} does not to f(x) on A.

Question ID : **9277594996**

Q.2 If R is the radius of convergence, then what's the condition of absolutely convergence of the power series?

Ans

✔ 1. |x|<R

✘ 2. |x|=R

✘ 3. |x|<0

✘ 4. |x|>R

Question ID : **9277594998**

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Q.3 If R is the radius of convergence of any power series then what is the interval of convergence?

Ans
- ✔ 1. (-R, R)
- ✘ 2. (-R, 1)
- ✘ 3. (-R, 0)
- ✘ 4. (0, R)

Question ID : **9277594997**

Q.4 Let (X, d) be a metric space, then arbitrary union of open sets is

Ans
- ✘ 1. closed in X.
- ✔ 2. open in X.
- ✘ 3. compact in X.
- ✘ 4. connected in X.

Question ID : **9277595000**

Q.5 Which type of surface is circular cylinder ?

Ans
- ✘ 1. topological surface
- ✘ 2. Implicit surface
- ✔ 3. Algebraic and differential surface
- ✘ 4. Fractal surface

Question ID : **9277594988**

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Q.6 Let (X, d) be a metric space, then which condition must be satisfied by metric space (X, d) ?

Ans
- ✘ 1. d(x, y) = d(x, z) + d(z, y)
- ✘ 2. d(x, y) <0
- ✘ 3. d(x, y)= 0 iff x= 0
- ✔ 4. d(x, y)= d(y, x)

Question ID : **9277594999**

Q.7 A sequence {fn} defined on set S is said to be uniformly bounded on S if

Ans
- ✘ 1. there exists k<0 such that |fn(x)| < k; for all x belongs to S and n belongs to N.
- ✘ 2. there exists k>0 such that |fn(x)| > k; for all x belongs to S and n belongs to N.
- ✔ 3. there exists k>0 such that |fn(x)| < k; for all x belongs to S and n belongs to N.
- ✘ 4. there exists k<0 such that |fn(x)| > k; for all x belongs to S and n belongs to N.

Question ID : **9277594994**

Q.8 If {fn} and {gn} converge uniformly to f(x) and g(x) respectively on a set S, then

Ans
- ✔ 1. {fn}+ {gn} converges uniformly to f(x)+ g(x).
- ✘ 2. {fn}+ {gn} converges uniformly to f(x) ÷g(x).
- ✘ 3. {fn}+ {gn} converges uniformly to f(x)×g(x).
- ✘ 4. {fn}+ {gn} converges uniformly to f(x) - g(x).

Question ID : **9277594995**

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Q.9 **Continuity depends on .....**

Ans
✗ 1. interval
✓ 2. function
✗ 3. epsilon
✗ 4. codomain

Question ID : **9277595004**

Q.10 **What are improper integral ?**

Ans
✓ 1. It a definite integral with one limit or both limits at infinity.
✗ 2. An indefinite integral
✗ 3. It a integral with variable limits.
✗ 4. It is definite integral with a constant as limit.

Question ID : **9277594992**

Q.11 **To each open sphere S'(f(a)), there exists open sphere S(a, k) such that the function f[S(a, k)] is subset of S'(f(a)) iff**

Ans
✗ 1. the function f is differentiable at 'a'.
✗ 2. the function f is sequentially continuous at 'a'.
✓ 3. the function f is continuous at 'a'.
✗ 4. the function f is uniformly continuous at 'a'.

Question ID : **9277595006**

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Q.12 **Let P be a refinement of Q, then**

Ans
✗ 1. U(P, f) >= U(Q, f)
✗ 2. L(P, f) <= L(Q, f)
✗ 3. L(P, f) = L(Q, f)
✓ 4. L(P, f) >= L(Q, f)

Question ID : **9277594990**

Q.13 **Which option is correct?**

Ans
✗ 1. f is integrable on [a, b] iff for every e<0 0 there exists a partition P such that U(P, f) - L(P, f) >e.
✗ 2. f is integrable on [a, b] iff for every e> 0 there exists a partition P such that U(P, f) - L(P, f)>e.
✗ 3. f is integrable on [a, b] iff for every e<0 there exists a partition P such that U(P, f) - L(P, f)= 0.
✓ 4. f is integrable on [a, b] iff for every e> 0 there exists a partition P such that U(P, f) - L(P, f) < e.

Question ID : **9277594991**

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Q.14 Which condition must satisfy by topological space ?

Ans
- ✗ 1. Arbitrary intersection of open sets belong to topological space.
- ✗ 2. Union of open sets belong to topological space.
- ✓ 3. Arbitrary union of open sets belong to topological space.
- ✗ 4. Arbitrary union of closed sets belong to topological space.

Question ID : **9277595001**

Q.15 Let B be the basis of a topology on X , then

Ans
- ✗ 1. B generates no topology on X.
- ✓ 2. B generates unique topology on X.
- ✗ 3. B generates infinite many topology on X.
- ✗ 4. B generates topology on X.

Question ID : **9277595002**

Q.16 What is the integral of $1/x^2$ when limits goes from 1 to infinity ?

Ans
- ✓ 1. 1
- ✗ 2. ∞
- ✗ 3. 0
- ✗ 4. 2

Question ID : **9277594993**

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Q.17 In metric space, if the function f is continuous, then

Ans
- ✓ 1. f is sequentially continuous.
- ✗ 2. f is uniformly continuous.
- ✗ 3. f is onto.
- ✗ 4. f is differentiable.

Question ID : **9277595005**

Q.18 T is topology, then

Ans
- ✗ 1. don't have any basis.
- ✗ 2. may have two bases.
- ✗ 3. may have infinitely many bases.
- ✓ 4. may have more than one basis.

Question ID : **9277595003**

Q.19 A closed and bounded subset of R is called .....

Ans
- ✗ 1. path connected set
- ✗ 2. totally bounded set
- ✗ 3. connected set
- ✓ 4. compact set

Question ID : **9277595007**

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Q.20 What are the names numbers U(P, f) and L(P, f) ?

Ans
✗ 1. Upper and lower Riemann integrals
✗ 2. Supremum and infimum
✗ 3. Upper and lower bound
✓ 4. Upper and lower Reimann sums

Question ID : **9277594989**

Section : **Discipline5**

Q.1

Ans
✓ 1. lcm (|g|,|h|)
✗ 2. (|g|,|h|)
✗ 3. gcd (|g|,|h|)
✗ 4. (|h|,|g|)

Question ID : **9277595012**

Q.2 Let H is a subgroup of the group G then aH is a subgroup of group G iff

Ans
✗ 1. a belongs to group G.
✗ 2. a doesn't belong to group G.
✗ 3. a doesn't belong to subgroup H.
✓ 4. a belongs to subgroup H.

Question ID : **9277595015**

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Q.3 Let G be a group with identity element e. Let H and K be normal subgroups of G such that H∩K={e}. Then what is H⊕K ?

Ans
✓ 1. external direct product
✗ 2. internal direct product
✗ 3. internal direct sum
✗ 4. product

Question ID : **9277595013**

Q.4 What is automorphism?

Ans
✓ 1. An isomorphism from (G, *) onto (G, *).
✗ 2. An isomorphism from (G', *) onto (G, *).
✗ 3. An homomorphism from (G, *) onto (G, *).
✗ 4. An homomorphism from (G, *) onto (G', *).

Question ID : **9277595009**

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Q.5 **Let (G,*) be a group, then what is inner automorphism ?**

Ans

✗ 1. if f is a mapping from G to G such that $fa(x)= axa^4$, for all x belongs to G.

✗ 2. if f is a mapping from G to G such that $fa(x)= axa^2$, for all x belongs to G.

✗ 3. if f is a mapping from G to G such that $fa(x)= axa^{5/8}$, for all x belongs to G.

✓ 4. if f is a mapping from G to G such that $fa(x)= ax\ a^{-1}$, for all x belongs to G.

Question ID : **9277595010**

Q.6 **Let S is a finite set of n symbols, then what is the order of permutation group S ?**

Ans

✗ 1. n+1

✗ 2. 2^n

✗ 3. n

✓ 4. n!

Question ID : **9277595016**

Q.7 **Let G be a group, p is prime and n belongs to N. If $p^n|o(G)$ then .....**

Ans

✗ 1. G has semi groups of order p^n.

✓ 2. G has a subgroup of order p^n.

✗ 3. G has a monoid of order p^n.

✗ 4. G has a abelian subgroup of order p^n.

Question ID : **9277595017**

Q.8 **What is the order of Klein's four group ?**

Ans

✓ 1. 4

✗ 2. 3

✗ 3. 2

✗ 4. 1

Question ID : **9277595014**

Q.9 **The union of two disjoint open intervals on the real line is a space which is .....**

Ans

✗ 1. path connected

✗ 2. compact

✗ 3. connected

✓ 4. locally connected

Question ID : **9277595008**

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Q.10 Let G be a group with identity element e. Let H and K be normal subgroups of G such that H∩K={e}. Then what is H×K ?

Ans
✗ 1. external direct product
✗ 2. internal direct sum
✗ 3. product
✓ 4. internal direct product

Question ID : **9277595011**

Section : **Teaching Methodology**

Q.1 Pragmatism methodology of teaching is the key-note of ___

Ans
✗ 1. Idealistic
✗ 2. Realistic
✗ 3. programmer
✓ 4. Experimentation

Question ID : **9277595019**

Q.2 Gender is a social construct having its impact on which of the following?

Ans
✗ 1. Family, religion, peer groups education
✗ 2. dependency, patient and communicative
✓ 3. attitudes, roles, responsibilities and behavioural patterns of every individual
✗ 4. society especially in developing and maintaining the culture

Question ID : **9277595023**

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Q.3 The trend towards modernization in India can be seen in the form of a movement towards _____ of the society.

Ans
✗ 1. Industrialization
✗ 2. Secularization
✓ 3. Westernization
✗ 4. Democratization

Question ID : **9277595025**

Q.4 Which type of questions help determine if students know some required facts or information ?

Ans
✗ 1. Closed question
✗ 2. Display questions
✗ 3. Open-ended question
✓ 4. Factual questions

Question ID : **9277595020**

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Q.5 Play-way method is mostly ___

Ans
✔ 1. Activity based
✘ 2. Game based
✘ 3. constructive
✘ 4. Science based

Question ID : **9277595018**

Q.6 What is IQ of profound individuals?

Ans
✘ 1. 90
✘ 2. 70
✔ 3. 25
✘ 4. 100

Question ID : **9277595027**

Q.7 Which type of questions are put at the end of the lessons and helps to teacher?

Ans
✘ 1. Testing Questions
✘ 2. Developmental Questions
✘ 3. Introductory Questions
✔ 4. Recapitulatory Questions

Question ID : **9277595024**

Q.8 Which adjective are used to describe men?

Ans
✘ 1. communicative
✘ 2. gentle
✔ 3. independent
✘ 4. Emotional

Question ID : **9277595022**

Q.9 Which of the following is a characteristic of summative evaluation?

Ans
✘ 1. It is continuous evaluation
✘ 2. It is used for diagnostic purposes.
✔ 3. It measures the level of success or proficiency that has been reached at the end of an instructional unit
✘ 4. It allows students to take responsibility of their learning

Question ID : **9277595026**

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Q.10 **Aristotle divides the disciplines into three classes. Which of the following is not the one given by him?**

Ans
- ✔ 1. Interactive
- ✘ 2. Practical
- ✘ 3. Productive
- ✘ 4. Theoretical

Question ID : **9277595021**

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DSSSB TGT Maths (Female) Question Paper 2021

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Participant Name	
Test Center Name	
Test Date	10/09/2021
Test Time	4:30 PM - 6:30 PM
Subject	TGT Maths-(Female)

Section : **General Ability**

Q.1 **There are five friends P, Q, R, S and T. P is heavier than Q. R is as heavy as Q. T is lighter than R. S is lighter than Q but heavier than T. Who is the lightest friend?**

Ans
✗ 1. S
✗ 2. Q
✗ 3. P
✓ 4. T

Question ID : **9277595487**

Q.2 **Select the most logical course of action for the following scenario.**

\You are playing a cricket match with your friend in your locality. When you hit the ball, it went high and breaks the windowpane of a nearby house. You would _____.

Ans
✗ 1. Start fighting with the owner of the house to get your ball back.
✓ 2. Apologize to the house owner and contribute to replacing the broken glass.
✗ 3. Say that it was no fault of yours.
✗ 4. Demand your ball back from the house owner.

Question ID : **9277595489**

Q.3 **Complete the following letter series:**
ABC, CEG, EHK, GKO, _, KQW

Ans
✗ 1. UPO
✗ 2. TWZ
✗ 3. NST
✓ 4. INS

Question ID : **9277595484**

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Q.4 Find the missing number in the given series:
15, 23, 32, 157, _, 1537

Ans
✗ 1. 500
✗ 2. 298
✗ 3. 412
✓ 4. 206

Question ID : **9277595490**

Q.5 Study the following information carefully to answer the given questions:
A Y 5 V U 3 N L 9 4 # 2 G $ E 8 F C * R 2 Q £ 6 KS
The elements only from N to C are written in the reverse order and other elements are kept unaltered, then which element is right of 14th element from the right?

Ans
✗ 1. E
✗ 2. 2
✓ 3. #
✗ 4. G

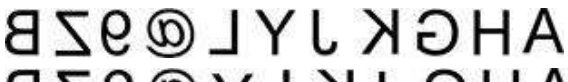
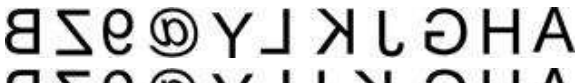
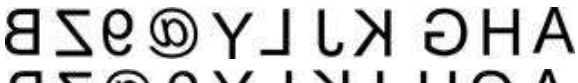
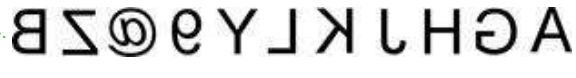
Question ID : **9277595491**

Q.6 Sum of Age of A, B and C is 10 years more than B and C and 5 years more than A and C. If sum of age of A, B and C is 25 year, then find the age of C.

Ans
✗ 1. 8 years
✓ 2. 10 years
✗ 3. 12 years
✗ 4. 7 years

Question ID : **9277595495**

Q.7 If a mirror is placed on the line AB, then which of the answer figure is the correct mirror image of the given figure?

Ans
✗ 1. 
✗ 2. 
✗ 3. 
✓ 4. 

Question ID : **9277595498**

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Q.8 Select the option that is related to the third term on the same basis as the second term is related to the first term.
Veterinarian : Animals :: Orthopaedic : ?

Ans
1. Brain
2. Bone
3. Kids
4. Eyes

Question ID : **9277595481**

Q.9 J, I, L, M, N and P are sitting in a straight line facing north. N sits to the right of P, who is second to the left of L. M sits to the immediate right of J. There are two persons between I and P. If J sits at the left end of the line, then who sits at the right end of the line?

Ans
1. I
2. L
3. M
4. N

Question ID : **9277595494**

Q.10 Read the following statements and answer the question on their basis.
'A + B' means 'A is mother of B'.
'A - B' means 'A is husband of B'.
'A @ B' means 'A is sister of B'.
'A # B' means 'A is son of B'.
Which of the following expression indicates that S is daughter of U?

Ans
1. S @ G # C + U
2. S @ G # C – U
3. U + C @ S # G
4. U + C @ G # S

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Question ID : **9277595493**

Q.11 In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statement:
T ≥ D; T ≥ K; Z = K
Conclusions:
I. D > Z
II. Z ≥ D

Ans
1. Only conclusion I follows
2. Either conclusion I or II follow
3. Both conclusion I and II follow
4. Only conclusion II follows

Question ID : **9277595486**

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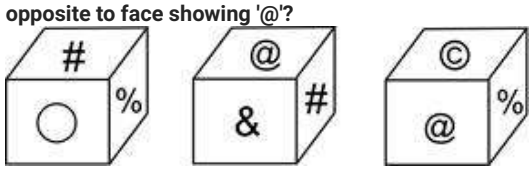
Q.12 How many pairs of letters are there in the word "BINOCULARS" each of which has as many letters between them as in the English alphabetical series in both forward and backward directions?

Ans
✗ 1. Two
✗ 2. Three
✗ 3. One
✓ 4. Four

Question ID : **9277595492**

Q.13 Three different positions of the same dice are given below. Which symbol is on the face opposite to face showing '@'?



Ans
✓ 1. O
✗ 2. #
✗ 3. %
✗ 4. &

Question ID : **9277595500**

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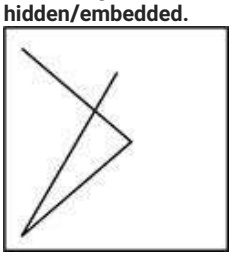
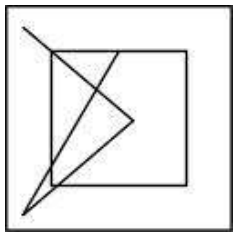
Q.14 From the given answer figures, select the one in which the question figure is hidden/embedded.

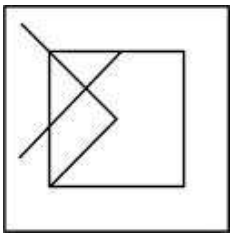


Ans

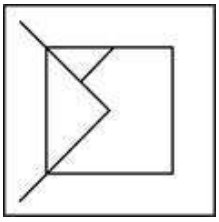
✔ 1.



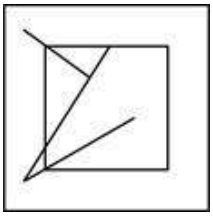
✘ 2.



✘ 3.



✘ 4.



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Question ID : **9277595496**

Q.15 Find the wrong term in the given series.
19200, 4800, 1200, 400, 75, 18.75

Ans

✘ 1. 1200

✘ 2. 18.75

✘ 3. 75

✔ 4. 400

Question ID : **9277595485**

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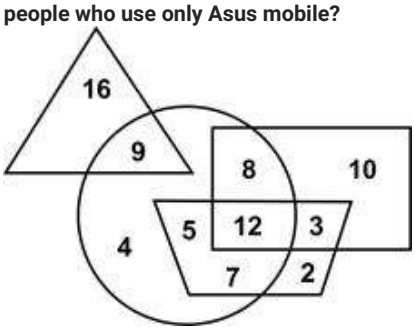
Q.16 **In the following Venn Diagram, the triangle represents people who use Oppo mobile, the circle represents people who use Apple mobile, the trapezium represents people who use Asus mobile and the rectangle represents people who use Samsung mobile. How many people who use only Asus mobile?**



Ans
✗ 1. 8
✗ 2. 3
✓ 3. 2
✗ 4. 12

Question ID : **9277595499**

Q.17 **Select the most logical course of action for the following scenario.**

You are getting late for the exam but you saw a girl being unconscious on the road beside her scooty. You will _____.

Ans
✗ 1. Escape from the place as it may lead to some legal trouble of road accident case and you may miss your exam.
✗ 2. Look for others on the road to ask them for help and leave for the exam.
✗ 3. Head towards exam venue as you are getting late.
✓ 4. Check for any major wound and sprinkle some water on her face and call an ambulance and then head towards the exam venue.

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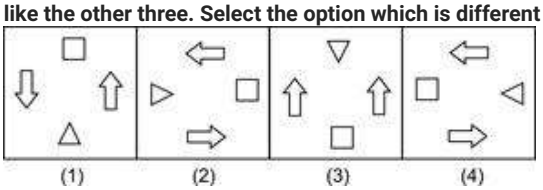
Question ID : **9277595488**

Q.18 **Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.**



Ans
✗ 1. Image 4
✗ 2. Image 2
✓ 3. Image 3
✗ 4. Image 1

Question ID : **9277595497**

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Q.19 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✔ 1. (6, 37, 1368)
✘ 2. (5, 26, 677)
✘ 3. (3, 10, 101)
✘ 4. (9, 82, 6725)

Question ID : **9277595483**

Q.20 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✘ 1. GHKP
✘ 2. QRUZ
✘ 3. ZADI
✔ 4. JNQT

Question ID : **9277595482**

Section : **General Awareness**

Q.1 Who among the following won Gold medal in the Tokyo Paralympics 2020 by winning the women's 10m Air Rifle Standing SH1 event?

Ans
✘ 1. Anjali Bhagawat
✘ 2. Sumit Antil
✘ 3. Bhavina Patel
✔ 4. Avani Lekhara

Question ID : **9277595504**

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Q.2 Pele' is the professional player of which of the following games?

Ans
✘ 1. Baseball
✘ 2. Cricket
✘ 3. Boxing
✔ 4. Football

Question ID : **9277595508**

Q.3 Who has written 'The Time Machine'?

Ans
✘ 1. Victor Hugo
✘ 2. Oliver Goldsmith
✘ 3. T.S.Eliot
✔ 4. H.G.Wells

Question ID : **9277595520**

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Q.4 Where is the headquarter of the World Bank?

Ans
✔ 1. Washington D.C.
✘ 2. Austin
✘ 3. New York
✘ 4. Denver

Question ID : **9277595513**

Q.5 Who is nicknamed Indian Napoleon?

Ans
✘ 1. Akbar
✘ 2. Chandra Gupta Maurya
✘ 3. Chandragupta II
✔ 4. Samudragupta

Question ID : **9277595503**

Q.6 Which among the following is the unit of Radiant Flux?

Ans
✘ 1. Ohm
✔ 2. Watt
✘ 3. Joule
✘ 4. Tesla

Question ID : **9277595515**

Q.7 What will be the principle aim of the QUAD group?

Ans
✘ 1. To enhance trade
✔ 2. To enhance regional connectivity
✘ 3. To enhance proper utilization of resources
✘ 4. To enhance industrial output

Question ID : **9277595502**

Q.8 Which of the following trophies are associated with the game of Basketball?

Ans
✘ 1. G.D.Birla Trophy
✔ 2. Basalat Jha Trophy
✘ 3. B.C.Raj Trophy
✘ 4. Begam Rasul Trophy

Question ID : **9277595507**

Q.9 From which of the following states, folk dance of 'Bohada' originated?

Ans
✘ 1. Gujarat
✘ 2. Bihar
✔ 3. Maharashtra
✘ 4. Rajasthan

Question ID : **9277595509**

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Q.10 Who is the author of 'A tale of two cities'?

Ans
1. Alexander Solzhenitsyn
2. John Bunyan
3. Thomas Hardy
4. Charles Dickens

Question ID : **9277595519**

Q.11 Ali Akbar Khan was an Indian Hindustani classical musician, known for his virtuosity in playing the _____.

Ans
1. tambura
2. shenai
3. tabla
4. sarod

Question ID : **9277595510**

Q.12 When was the WHO (World Health Organisation) founded?

Ans
1. 1949
2. 1951
3. 1950
4. 1948

Question ID : **9277595518**

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Q.13 Where is 'The roof of the world'?

Ans
1. Eastern Asia
2. Western Asia
3. Central Asia
4. Northern Asia

Question ID : **9277595512**

Q.14 Which among the following is not a vector quantity?

Ans
1. Speed
2. Acceleration
3. Force
4. Momentum

Question ID : **9277595514**

Q.15 Which among the following lines, the Germans retreated in 1917?

Ans
1. Durand Line
2. Maginot Line
3. Hindenberg Line
4. Mannerheim Line

Question ID : **9277595511**

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Q.16 In which of the following Schedule of the Constitution, the 'State List' is given?

Ans
✗ 1. 6th
✗ 2. 8th
✗ 3. 5th
✓ 4. 7th

Question ID : **9277595506**

Q.17 President is :

Ans
✗ 1. Chairperson of the Rajya Sabha
✓ 2. The constitutional head of country
✗ 3. The head of council of ministers
✗ 4. The leader of the Lok Sabha

Question ID : **9277595505**

Q.18 Which among the following is the molecular formula of water?

Ans
✗ 1. HO
✗ 2. H_3O
✓ 3. H_2O
✗ 4. H_4O

Question ID : **9277595517**

Q.19 According to MoS Finance, which of the following rank India obtained in Forex Reserve Holder in the World as on 25th June 2021?

Ans
✗ 1. 6th
✗ 2. 7th
✓ 3. 5th
✗ 4. 8th

Question ID : **9277595501**

Q.20 Which among the following is the symbol of Silver?

Ans
✗ 1. Sn
✓ 2. Ag
✗ 3. Pb
✗ 4. Hg

Question ID : **9277595516**

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Section : **Arithmetic Ability**

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Q.1 What will come in the place of question mark(?) in the following question?
10(3/4) + 12(5/8) + 7(1/2) = ?/4 + 16

Ans
1. 56.5
2. 58.5
3. 59.5
4. 60.5

Question ID : **9277595523**

Q.2 A dozen socks of Rs. 70 are available at a discount of 10%. Find out how many socks can be bought for Rs. 21.

Ans
1. 8
2. 6
3. 4
4. 2

Question ID : **9277595534**

Q.3 A student multiplied a number by (3/4) instead of (7/3).
What is the percentage error in the calculation?

Ans
1. 60.75%
2. 65.75%
3. 67.85%
4. 61.75%

Question ID : **9277595529**

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Q.4 Rajan is older than Samara by 5 years. Five years from now, the respective ratio between Rajan's age and Samara's age will be 7:6. What was Rajan's age 10 years ago?

Ans
1. 25 years
2. 22 years
3. 20 years
4. 23 years

Question ID : **9277595526**

Q.5 A man took a loan of Rs. 12000 from a bank. Rate of interest offered by the bank was equal to the time period for which on takes the loan. If he paid Rs. 4320 as interest after x years to clear his loan. Find the time for which he took the loan.

Ans
1. 7 years
2. 6 years
3. 6.5 years
4. 5 years

Question ID : **9277595535**

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Q.6 A boat covers 45 km upstream in 5 hours and comes back same distance in 3 hours. Find the speed of the boat in still water.

Ans
1. 15 km/hr
2. 12 km/hr
3. 3 km/hr
4. 6 km/hr

Question ID : **9277595538**

Q.7 What approximate value will come in the place of question mark(?) in the following question?

199.98% of 54.98 + 24.99% of 799.99 = ? + 64.99% of 399.99

Ans
1. 30
2. 40
3. 50
4. 20

Question ID : **9277595522**

Q.8 What will come in the place of question mark(?) in the following question?
32% of 250 + 68% of 600 = ?% of 175 + 369

Ans
1. 34
2. 92
3. 98
4. 68

Question ID : **9277595521**

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Q.9 In an organisation, average salary of all employees is Rs. 6000. The average salary of 7 engineers is Rs. 10000 and the average salary of the rest employees is Rs. 5000. What is the total number of employees in the organisation?

Ans
1. 35
2. 30
3. 25
4. 26

Question ID : **9277595530**

Q.10 A vendor bought pencils at 7 for a rupee. How many for a rupee must he sell to gain 40%?

Ans
1. 6
2. 3
3. 4
4. 5

Question ID : **9277595533**

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Q.11 Find the greatest number that will divide 53, 93 and 153 so as to leave the same remainder in each case.

Ans
1. 25 ✗
2. 20 ✓
3. 30 ✗
4. 10 ✗

Question ID : **9277595525**

Q.12 A and B contributes Rs. 5000 and Rs. 2000 respectively in a business. A is a sleeping partner and B gets 10% of the profit for management and the rest of the profit is divided in proportion of their capitals. If the profit of A is Rs. 900, then what is the share of B?

Ans
1. Rs. 440 ✗
2. Rs. 500 ✓
3. Rs. 460 ✗
4. Rs. 442 ✗

Question ID : **9277595532**

Q.13 If A is 20% elder than B. C is 25% younger than B. D is 40% elder than C. The Difference between the age of eldest and youngest is 9 years. Find out their average age.

Ans
1. 20 years ✓
2. 22 years ✗
3. 24 years ✗
4. 18 years ✗

Question ID : **9277595528**

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Q.14 The data from a village is collected regarding the weight of people. The average weight of men in the village is 60 kg and average weight of the women is 45 kg. If there are 50 more men than women and total population of the village is 300. What is the difference between the total weight of men and the total weight of women in the village?

Ans
1. 5675 kg ✗
2. 4560 kg ✗
3. 8670 kg ✗
4. 4875 kg ✓

Question ID : **9277595531**

Q.15 A craft takes twice time in rowing a certain distance upstream than downstream. What is the ratio between the craft's speed of rowing in still water and speed of stream?

Ans
1. 2:3 ✗
2. 1:3 ✗
3. 3:1 ✓
4. 1:2 ✗

Question ID : **9277595527**

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Q.16 A square shaped park with area 400 sq. km has a racing track surrounding it. The width of racing track is 4 km. What is the area of racing track?

Ans
✗ 1. 284 sq. km
✗ 2. 176 sq. km
✗ 3. 784 sq. km
✓ 4. 384 sq. km

Question ID : **9277595536**

Q.17 Manoj and Nandan working together can do a certain amount of job in 45 days and are paid Rs. 12600 for the whole job. The efficiency ratio of Manoj and Nandan is 9 : 5. Find the daily wages of Nandan, if they get paid as per their efficiency.

Ans
✗ 1. Rs. 105
✓ 2. Rs. 100
✗ 3. Rs. 90
✗ 4. Rs. 120

Question ID : **9277595537**

Q.18 The H.C.F. of 0.84, 0.28 and 0.7 is:

Ans
✓ 1. 0.14
✗ 2. 0.7
✗ 3. 1.4
✗ 4. 0.07

Question ID : **9277595524**

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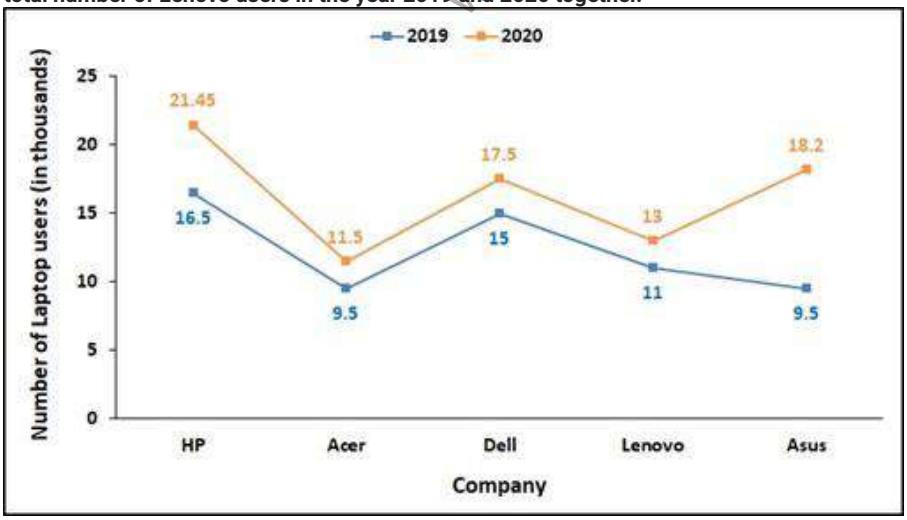
Q.19 The graph shows number of laptop users (in thousands) of different company in year 2019 and 2020.
The total number of Acer users in the year 2019 and 2020 together is what percent of the total number of Lenovo users in the year 2019 and 2020 together.



Ans
✓ 1. 87.5%
✗ 2. 80%
✗ 3. 75%
✗ 4. 85%

Question ID : **9277595540**

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Q.20 The following table shows the total NRI population, percentage of male NRI adults, and the percentage of female NRI adults of six states in the year 2020 who came back to India through Vande Bharat's mission of government.
Note: Total NRI population = Number of male NRI adult + Number of female NRI adult + Number of NRI children.
Find the ratio of the number of male NRI adults and female NRI adults together of Uttar Pradesh to the number of male NRI adults and female NRI adults of Gujarat.

State	NRI Population (in hundreds)	Percentage of Male NRI adults	Percentage of Female NRI adults
Himachal Pradesh	60	40	30
Uttar Pradesh	80	55	35
Bihar	50	45	30
Andhra Pradesh	70	65	20
Kerala	100	40	30
Gujarat	40	60	20

Ans
✗ 1. 4:3
✗ 2. 3:4
✓ 3. 9:4
✗ 4. 4:9

Question ID : **9277595539**

Section : **General English**

Q.1 Select the word that is opposite in meaning (ANTONYM) to the word given below.

CHAUVINISM

Ans
✗ 1.
HUMBLE
✗ 2.
JINGOISM
✗ 3.
NARROWNESS
✓ 4.
UNBIASED

Question ID : **9277595552**

Q.2 Select the most appropriate meaning of the given idiom.

Cost an arm and a leg

Ans
✗ 1. To take risk.
✗ 2. To have met with an accident.
✓ 3. Very expensive.
✗ 4. To be near death.

Question ID : **9277595554**

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Q.3 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

Haworth is the railway's headquarters, (boasting off a locomotive depot) where visitors can view the steam leviathans under repair or restoration.

Ans
1. boast for a locomotive depot
2. boasting a locomotive depot
3. boasting at a locomotive depot
4. No correction required

Question ID : **9277595544**

Q.4 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

He gave the door a hefty kick (for good amount before turning on his) heel and striding back to his bed.

Ans
1. for good quantity before turning on his
2. for good measure before turning on his
3. for good quality before turning on his
4. No correction required

Question ID : **9277595543**

Q.5 **Fill in the blank with the most appropriate choice.**

So it would appear that from now on I am going to have to be more tactful and _____ in my meanderings

Ans
1. deceptive
2. rebuilt
3. obloquy
4. diplomatic

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Question ID : **9277595545**

Q.6 **Select the most appropriate meaning of the given proverb.**

A golden key opens any door.

Ans
1. To understand someone completely.
2. Anything can be accomplished with enough money.
3. Work hard to become rich.
4. Sometimes one requires the master key to open locks.

Question ID : **9277595555**

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Q.7 Select the word that is similar in meaning (SYNONYM) to the word given below.

HUMDRUM

Ans
✗ 1. EVENTFUL

✗ 2. EXCITING

✗ 3. FUNDAMENTAL

✓ 4. MUNDANE

Question ID : **9277595550**

Q.8 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

Heavy machines then / pounded and abrasion them to make / the surfaces smooth and uniform.

Ans
✗ 1. Heavy machines then

✓ 2. pounded and abrasion them to make

✗ 3. No Error

✗ 4. the surfaces smooth and uniform.

Question ID : **9277595542**

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Q.9 Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.

The water cycle,

P. biogeochemical cycle that describes

Q. the continuous movement of water on,

R. the hydrological cycle, is

S. also known as the hydrologic cycle or

above and below the surface of the Earth.

Ans
✗ 1. RPQS

✗ 2. QSRP

✓ 3. SRPQ

✗ 4. PQSR

Question ID : **9277595547**

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Q.10 The sentences below are not complete. There are four options for each question. Choose the best word to complete the sentence.

The interface is appalling, requiring _____ use of the keyboard to do relatively simple tasks.

Ans
✔ 1. dextrous
✘ 2. clumsy
✘ 3. amateur
✘ 4. insipid

Question ID : **9277595546**

Q.11 The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.

Agents of erosion majorly include rainfall; bedrock wear in rivers; coastal erosion by the sea and waves; glacial plucking, abrasion, and scour.

P. They also include areal flooding; wind abrasion; groundwater processes; and mass movement processes in steep landscapes like landslides and debris flows.

Q. The rates at which such processes act control how fast a surface is eroded.

R. Typically, physical erosion proceeds fastest on steeply sloping surfaces, and rates may also be sensitive to some climatically-controlled properties.

S. Feedbacks are also possible between rates of erosion and the amount of eroded material that is already carried by, for example, a river or glacier.

The transport of eroded materials from their original location is followed by deposition, which is arrival and emplacement of material at a new location.

Ans
✘ 1. SPRQ
✘ 2. QSRP
✔ 3. PQRS
✘ 4. PSRQ

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Question ID : **9277595548**

Q.12 Select the most appropriate meaning for the word given below.

Connoisseur

Ans
✔ 1. A person with expert knowledge or training.
✘ 2. A temporary police force.
✘ 3. A person who is indifferent to the pains and pleasures of life.
✘ 4. A closed political meeting.

Question ID : **9277595553**

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Q.13 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

When we got married, / I have been thinking we maybe had 10 books / each, including novels by Sir Walter Scott.

Ans
✗ 1. When we got married,
✗ 2. No Error
✓ 3. I have been thinking we maybe had 10 books
✗ 4. each, including novels by Sir Walter Scott.

Question ID : **9277595541**

Q.14 **Select the word that is similar in meaning (SYNONYM) to the word given below.**

BUNCO

Ans
✗ 1. HARMONY
✓ 2. TREASON
✗ 3. BUNKER
✗ 4. TENSION

Question ID : **9277595551**

Q.15 **Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.**

Ans
✓ 1. RACCOONS
✗ 2. RACAONS
✗ 3. RACCONS
✗ 4. RACOONS

Question ID : **9277595549**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

The cosmetic industry describes the industry that manufactures and distributes cosmetic products. These include colour cosmetics, like foundation and mascara, skincare such as moisturisers and cleansers, haircare such as shampoos, conditioners and hair colours, and toiletries such as bubble bath and soap. The manufacturing industry is dominated by a small number of multinational corporations that originated in the early 20th century, but the distribution and sale of cosmetics is spread among a wide range of different businesses. The largest cosmetic companies are Johnson & Johnson, L'Oréal Paris, Gillette, Neutrogena, Nivea and Chanel, Inc. The market volume of the cosmetics industry in Europe and the United States is about EUR €70b per year, according to a 2005 publication. The worldwide cosmetics and perfume industry currently generates an estimated annual turnover of US$170 billion (according to Eurostaf – May 2007). Europe is the leading market, representing approximately €63 billion. Within the United States, the state of California has the largest concentration of beauty establishments in America at 25.5%, followed by New Jersey at 8.1% of American beauty establishments.

SubQuestion No : 16

Q.16 What is the meaning of 'market volume' from the given passage?

Ans

✔ 1. The total volume of transactions over a specific period.

✘ 2. The total profit.

✘ 3. Total income of the companies.

✘ 4. Total number of shares.

Question ID : **9277595557**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

The cosmetic industry describes the industry that manufactures and distributes cosmetic products. These include colour cosmetics, like foundation and mascara, skincare such as moisturisers and cleansers, haircare such as shampoos, conditioners and hair colours, and toiletries such as bubble bath and soap. The manufacturing industry is dominated by a small number of multinational corporations that originated in the early 20th century, but the distribution and sale of cosmetics is spread among a wide range of different businesses. The largest cosmetic companies are Johnson & Johnson, L'Oréal Paris, Gillette, Neutrogena, Nivea and Chanel, Inc. The market volume of the cosmetics industry in Europe and the United States is about EUR €70b per year, according to a 2005 publication. The worldwide cosmetics and perfume industry currently generates an estimated annual turnover of US$170 billion (according to Eurostaf – May 2007). Europe is the leading market, representing approximately €63 billion. Within the United States, the state of California has the largest concentration of beauty establishments in America at 25.5%, followed by New Jersey at 8.1% of American beauty establishments.

SubQuestion No : 17

Q.17 What do you understand by 'California has the largest concentration of beauty establishments in America'?

Ans

✘ 1. California has the maximum raw material required therefore the companies are based there.

✔ 2. Largest number of cosmetic companies in America are based in California.

✘ 3. California has the maximum sale of beauty products.

✘ 4. California has the highest number of customers.

Question ID : **9277595558**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

The cosmetic industry describes the industry that manufactures and distributes cosmetic products. These include colour cosmetics, like foundation and mascara, skincare such as moisturisers and cleansers, haircare such as shampoos, conditioners and hair colours, and toiletries such as bubble bath and soap. The manufacturing industry is dominated by a small number of multinational corporations that originated in the early 20th century, but the distribution and sale of cosmetics is spread among a wide range of different businesses. The largest cosmetic companies are Johnson & Johnson, L'Oréal Paris, Gillette, Neutrogena, Nivea and Chanel, Inc. The market volume of the cosmetics industry in Europe and the United States is about EUR €70b per year, according to a 2005 publication. The worldwide cosmetics and perfume industry currently generates an estimated annual turnover of US$170 billion (according to Eurostaf – May 2007). Europe is the leading market, representing approximately €63 billion. Within the United States, the state of California has the largest concentration of beauty establishments in America at 25.5%, followed by New Jersey at 8.1% of American beauty establishments.

SubQuestion No : 18

Q.18 According to the passage, which of the following is not one of largest cosmetic company in the world?

Ans

✗ 1. Johnson & Johnson

✓ 2. Dolce & Gabbana

✗ 3. Chanel

✗ 4. L'Oréal Paris

Question ID : **9277595560**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

The cosmetic industry describes the industry that manufactures and distributes cosmetic products. These include colour cosmetics, like foundation and mascara, skincare such as moisturisers and cleansers, haircare such as shampoos, conditioners and hair colours, and toiletries such as bubble bath and soap. The manufacturing industry is dominated by a small number of multinational corporations that originated in the early 20th century, but the distribution and sale of cosmetics is spread among a wide range of different businesses. The largest cosmetic companies are Johnson & Johnson, L'Oréal Paris, Gillette, Neutrogena, Nivea and Chanel, Inc. The market volume of the cosmetics industry in Europe and the United States is about EUR €70b per year, according to a 2005 publication. The worldwide cosmetics and perfume industry currently generates an estimated annual turnover of US$170 billion (according to Eurostaf – May 2007). Europe is the leading market, representing approximately €63 billion. Within the United States, the state of California has the largest concentration of beauty establishments in America at 25.5%, followed by New Jersey at 8.1% of American beauty establishments.

SubQuestion No : 19

Q.19 The market volume of the cosmetics industry in Europe and United States is about _____ as per a 2005 publication.

Ans

✓ 1. €70b per year

✗ 2. €60b per year

✗ 3. €70m per year

✗ 4. €90b per year

Question ID : **9277595559**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

The cosmetic industry describes the industry that manufactures and distributes cosmetic products. These include colour cosmetics, like foundation and mascara, skincare such as moisturisers and cleansers, haircare such as shampoos, conditioners and hair colours, and toiletries such as bubble bath and soap. The manufacturing industry is dominated by a small number of multinational corporations that originated in the early 20th century, but the distribution and sale of cosmetics is spread among a wide range of different businesses. The largest cosmetic companies are Johnson & Johnson, L'Oréal Paris, Gillette, Neutrogena, Nivea and Chanel, Inc. The market volume of the cosmetics industry in Europe and the United States is about EUR €70b per year, according to a 2005 publication. The worldwide cosmetics and perfume industry currently generates an estimated annual turnover of US$170 billion (according to Eurostaf – May 2007). Europe is the leading market, representing approximately €63 billion. Within the United States, the state of California has the largest concentration of beauty establishments in America at 25.5%, followed by New Jersey at 8.1% of American beauty establishments.

SubQuestion No : 20

Q.20 In the United States which state has the highest concentration of beauty establishments?

Ans
✗ 1. New Jersey
✓ 2. California
✗ 3. Florida
✗ 4. Lowa

Question ID : **9277595561**

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Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
अपना सा मुँह लेकर रह जाना -

Ans
✗ 1. युद्ध करना
✗ 2. परिश्रम करना
✗ 3. दुखी होना
✓ 4. लज्जित होना

Question ID : **9277595576**

Q.2 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो सही वाक्य भेद का विकल्प हो।
वह संतुष्ट था इसलिए उसने कभी शिकायत नहीं की।

Ans
✗ 1. इच्छावाचक वाक्य
✗ 2. सरल वाक्य
✗ 3. मिश्र वाक्य
✓ 4. संयुक्त वाक्य

Question ID : **9277595571**

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Q.3 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो भाववाचक संज्ञा का सही विकल्प नहीं है।

Ans
✔ 1. फैलाना
✘ 2. महक
✘ 3. तेज़ी
✘ 4. भिडंत

Question ID : **9277595564**

Q.4 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प हो।

Ans
✔ 1. संज्ञा के मुख्य तीन भेद होते हैं:- व्यक्तिवाचक, जातिवाचक, भाववाचक|
✘ 2. संज्ञा के मुख्य तीन भेद होते हैं व्यक्तिवाचक, जातिवाचक, भाववाचक|
✘ 3. संज्ञा के मुख्य तीन भेद होते हैं व्यक्तिवाचक, जातिवाचक, भाववाचक
✘ 4. संज्ञा के मुख्य तीन भेद होते हैं:- व्यक्तिवाचक जातिवाचक भाववाचक|

Question ID : **9277595573**

Q.5 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए लोकोक्ति का सही अर्थ वाला विकल्प है।
चोली दमन का साथ -

Ans
✔ 1. परस्पर घनिष्ठ संबंध होना
✘ 2. अपनी बुराई दिखाई न देना
✘ 3. आपसी फूट भयानक होता है
✘ 4. थोड़े समय का सुख

Question ID : **9277595574**

Q.6 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए वृत्ति के भेद का सबसे अच्छा विकल्प है।
दिया मधुर गीत गा रही है|

Ans
✘ 1. संकेतार्थ
✘ 2. संभावनार्थ
✘ 3. संदेहार्थ
✔ 4. निश्चयार्थ

Question ID : **9277595572**

Q.7 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
बेतरह टूट पड़ना -

Ans
✘ 1. बचना
✘ 2. बुरी आदत डालना
✘ 3. कुछ हानि न होना
✔ 4. बड़े जोर से आक्रमण करना

Question ID : **9277595575**

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Q.8 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए पक्ष के भेद का सबसे अच्छा विकल्प है।
अब तो भूख बढ़ती ही जा रही है!

Ans
1. अभ्यासद्योतक
2. नित्यताद्योतक
3. प्रगतिद्योतक
4. पूर्णताद्योतक

Question ID : **9277595569**

Q.9 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध शब्द का सही विकल्प है।

Ans
1. प्रवृतीयाँ
2. प्रवृत्तियाँ
3. पवृत्तियाँ
4. प्रवत्तियां

Question ID : **9277595565**

Q.10 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो क्रिया के भेद वाला सही विकल्प हो।
पिता अपनी पुत्री से गीता पढ़वाते हैं।

Ans
1. प्रेरणार्थक
2. संयुक्त
3. पूर्वकालिक
4. नामधातु

Question ID : **9277595562**

Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध वाक्य का सबसे अच्छा विकल्प है।

Ans
1. प्रत्येक भारतवासी भारतीय एकता को सबसे बड़ा सिपाही है|
2. हर एक प्रत्येक भारतवासी भारतीय एकता का सबसे बड़ा सिपाही है|
3. प्रत्येक भारतवासी भारतीय एकता का पूरा सबसे बड़ा सिपाही है|
4. प्रत्येक भारतवासी भारतीय एकता का सबसे बड़ा सिपाही है|

Question ID : **9277595570**

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो वाक्यांशों के लिए एक शब्द का विकल्प हो।
रंगमंच पर पर्दे के पीछे का स्थान

Ans
1. स्थान
2. धीवर
3. धुंध
4. नेपथ्य

Question ID : **9277595568**

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Q.13 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के समानार्थी शब्द का विकल्प नहीं है।
साधु -

Ans
✔ 1. रम्य
✘ 2. मुनि
✘ 3. यति
✘ 4. अवधूत

Question ID : **9277595566**

Q.14 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विलोम शब्द का सबसे अच्छा विकल्प है।

अल्पज्ञ

Ans
✘ 1. वितर
✘ 2. दीर्घायु
✔ 3. बहुज्ञ
✘ 4. प्रवर

Question ID : **9277595567**

Q.15 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो अव्यय के भेद का सही विकल्प हो।
धन के बिना व्यवसाय चलाना कठिन है।

Ans
✘ 1. समुच्चयबोधक
✘ 2. निपात
✘ 3. क्रियाविशेषण
✔ 4. संबंधबोधक

Question ID : **9277595563**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
धर्म एक व्यापक शब्द है। मजहब, मत, पंथ, या संप्रदाय सीमित रूप हैं। संसार के सभी धर्म मूल रूप से एक ही हैं। सभी मनुष्य के साथ सद्व्यवहार सिखाते हैं। ईश्वर किसी विशेष धर्म या जाति का नहीं। सभी प्राणियों में एक प्राण स्पंदन होता है। उसके रक्त का रंग भी एक ही है। सुख- दुःख का भाव बोध भी उनमें एक जैसा है। आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम ये सभी ऊपरी वस्तुएँ हैं। ईश्वर ने मनुष्य या इंसान को बनाया है और इंसान ने बनाया है धर्म या मजहब को| ध्यान रहे मानवता या इंसानियत से बड़ा धर्म या मजहब दूसरा कोई नहीं। वह मिलना सिखाता है, अलगाव नहीं। धर्म तो एकता का द्योतक है।

SubQuestion No : 16

Q.16 धर्म को किसने बनाया है?

Ans
✔ 1. इन्सान
✘ 2. सोच
✘ 3. ईश्वर
✘ 4. प्रकृति

Question ID : **9277595579**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
धर्म एक व्यापक शब्द है। मजहब, मत, पंथ, या संप्रदाय सीमित रूप हैं। संसार के सभी धर्म मूल रूप से एक ही हैं। सभी मनुष्य के साथ सद्व्यवहार सिखाते हैं। ईश्वर किसी विशेष धर्म या जाति का नहीं। सभी प्राणियों में एक प्राण स्पंदन होता है। उसके रक्त का रंग भी एक ही है। सुख- दु:ख का भाव बोध भी उनमें एक जैसा है। आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम ये सभी ऊपरी वस्तुएँ हैं। ईश्वर ने मनुष्य या इंसान को बनाया है और इंसान ने बनाया है धर्म या मजहब को| ध्यान रहे मानवता या इंसानियत से बड़ा धर्म या मजहब दूसरा कोई नहीं। वह मिलना सिखाता है, अलगाव नहीं। धर्म तो एकता का द्योतक है।

SubQuestion No : 17

Q.17 अनुच्छेद के अनुसार आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम इन सभी को किसकी संज्ञा दी गई है?

Ans

✗ 1. अत्यंत आवश्यकता की

✓ 2. ऊपरी वस्तुओं की

✗ 3. खास वस्तु की

✗ 4. सद्व्यवहार की

Question ID : **9277595578**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
धर्म एक व्यापक शब्द है। मजहब, मत, पंथ, या संप्रदाय सीमित रूप हैं। संसार के सभी धर्म मूल रूप से एक ही हैं। सभी मनुष्य के साथ सद्व्यवहार सिखाते हैं। ईश्वर किसी विशेष धर्म या जाति का नहीं। सभी प्राणियों में एक प्राण स्पंदन होता है। उसके रक्त का रंग भी एक ही है। सुख- दु:ख का भाव बोध भी उनमें एक जैसा है। आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम ये सभी ऊपरी वस्तुएँ हैं। ईश्वर ने मनुष्य या इंसान को बनाया है और इंसान ने बनाया है धर्म या मजहब को| ध्यान रहे मानवता या इंसानियत से बड़ा धर्म या मजहब दूसरा कोई नहीं। वह मिलना सिखाता है, अलगाव नहीं। धर्म तो एकता का द्योतक है।

SubQuestion No : 18

Q.18 इनमें से कौन-सा इंसान का विलोम शब्द है?

Ans

✓ 1. हैवान

✗ 2. व्यक्ति

✗ 3. ईश्वर

✗ 4. मनुष्य

Question ID : **9277595581**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
धर्म एक व्यापक शब्द है। मजहब, मत, पंथ, या संप्रदाय सीमित रूप हैं। संसार के सभी धर्म मूल रूप से एक ही हैं। सभी मनुष्य के साथ सद्व्यवहार सिखाते हैं। ईश्वर किसी विशेष धर्म या जाति का नहीं। सभी प्राणियों में एक प्राण स्पंदन होता है। उसके रक्त का रंग भी एक ही है। सुख- दुःख का भाव बोध भी उनमें एक जैसा है। आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम ये सभी ऊपरी वस्तुएँ हैं। ईश्वर ने मनुष्य या इंसान को बनाया है और इंसान ने बनाया है धर्म या मजहब को| ध्यान रहे मानवता या इंसानियत से बड़ा धर्म या मजहब दूसरा कोई नहीं। वह मिलना सिखाता है, अलगाव नहीं। धर्म तो एकता का द्योतक है।

SubQuestion No : 19

Q.19 इस अनुच्छेद का कोई उपयुक्त शीर्षक-

Ans
✗ 1. दिखावा सबसे बड़ा धर्म
✓ 2. मानवता सबसे बड़ा धर्म
✗ 3. एकाकीपन सबसे बड़ा धर्म
✗ 4. अनेकता सबसे बड़ा धर्म

Question ID : **9277595582**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
धर्म एक व्यापक शब्द है। मजहब, मत, पंथ, या संप्रदाय सीमित रूप हैं। संसार के सभी धर्म मूल रूप से एक ही हैं। सभी मनुष्य के साथ सद्व्यवहार सिखाते हैं। ईश्वर किसी विशेष धर्म या जाति का नहीं। सभी प्राणियों में एक प्राण स्पंदन होता है। उसके रक्त का रंग भी एक ही है। सुख- दुःख का भाव बोध भी उनमें एक जैसा है। आकृति और वर्ण, वेशभूषा और रीति-रिवाज तथा नाम ये सभी ऊपरी वस्तुएँ हैं। ईश्वर ने मनुष्य या इंसान को बनाया है और इंसान ने बनाया है धर्म या मजहब को| ध्यान रहे मानवता या इंसानियत से बड़ा धर्म या मजहब दूसरा कोई नहीं। वह मिलना सिखाता है, अलगाव नहीं। धर्म तो एकता का द्योतक है।

SubQuestion No : 20

Q.20 धर्म को किसका द्योतक कहा गया है?

Ans
✗ 1. अनेकता
✗ 2. सुखी जीवन
✓ 3. एकता
✗ 4. एकाकी जीवन

Question ID : **9277595580**

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Section : **Discipline1**

Q.1 The area of the surface obtained by rotating the circle r = 2Sinθ about y - axis is -

Ans
✗ 1. 5 π
✗ 2. 3π
✓ 3. 4 π
✗ 4. 2 π

Question ID : **9277595588**

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Q.2 If A is a square matrix then which of the following is false -

Ans

✗ 1. $|A^{-1}|^T = |A^T|^{-1}$

✓ 2. $(AB)^{-1} = A^{-1}B^{-1}$

✗ 3. $|A^T| = |A|$

✗ 4. $|A^\theta| = |A|^\theta$

Question ID : **9277595599**

Q.3 Formula for arc length is -

Ans

✗ 1. $\int_a^b \sqrt{[f'(x)]}dx$

✓ 2. $\int_a^b \sqrt{1+[f'(x)]^2}dx$

✗ 3. $\int \sqrt{(1+x)}dx$

✗ 4. $\int_a^b [f'(x)]dx$

Question ID : **9277595589**

Q.4 If a, b ϵN and aRb if gcd(a, b) ≠1 then which of the following is true.

Ans

✓ 1. R is not Reflexive

✗ 2. R is an equivalence relation

✗ 3. R is not symmetric relation

✗ 4. R is Reflexive

Question ID : **9277595594**

Q.5 The second derivative of the graph tells you the _____ of the graph at a point.

Ans

✓ 1. concavity

✗ 2. graphing

✗ 3. convexity

✗ 4. parabolic properties

Question ID : **9277595583**

Q.6 The graph of the equation r = Sin4θ is

Ans

✓ 1. Eight leaved Rose

✗ 2. Ten leaved Rose

✗ 3. Five leaved Rose

✗ 4. Four leaved Rose

Question ID : **9277595586**

Q.7 If AB = A and BA = B then what can be said about A and B.

Ans

✓ 1. Both are Idempotent

✗ 2. Only B is Idempotent

✗ 3. Both are not Idempotent

✗ 4. Only A is Idempotent

Question ID : **9277595600**

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Q.8 The set of real number R is uncountable i.e., there is no bijection $N_0 \rightarrow R$, is -

Ans
✔ 1. Cantor's theorem
✘ 2. continuity theorem
✘ 3. Mean value theorem
✘ 4. Green's theorem

Question ID : **9277595596**

Q.9 If 7^{100} is divided by 8 then remainder is

Ans
✔ 1. 1
✘ 2. 3
✘ 3. 4
✘ 4. 2

Question ID : **9277595598**

Q.10 If S = {f|f : N→{0,1}} then cardinality of S is -

Ans
✘ 1. Countable
✘ 2. Xo
✘ 3. Finite
✔ 4. $2^{xo}=c$

Question ID : **9277595602**

Q.11 The graph of r = a(1 +Sinθ) is -

Ans
✘ 1. Symmetric about x - axis
✘ 2. Not Symmetric
✘ 3. Symmetric about y = x
✔ 4. Symmetric about y - axis

Question ID : **9277595587**

Q.12 z= (7+ 2i)n + (7 - 2i)n, n ϵ N then which of the following option is correct.

Ans
✘ 1. Z is Real only for even n
✘ 2. Z is Purely imaginary
✘ 3. Z is Real only for odd n
✔ 4. Z is Real for all Naturals

Question ID : **9277595592**

Q.13 Graph of the curve y = (x-1)(x-2) decreases when

Ans
✔ 1. x < 3/2
✘ 2. x = 2
✘ 3. x > 3/2
✘ 4. x < 1/2

Question ID : **9277595585**

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Q.14 Number of zeros in, 1000! Is

Ans

✗ 1. 25

✗ 2. 30

✗ 3. 248

✓ 4. 249

Question ID : **9277595597**

Q.15 The least positive integer m for which $(\sqrt{3} - i)^m$ is real and positive.

Ans

✗ 1. M = 4

✗ 2. M = 2

✗ 3. M = 1

✓ 4. M = 6

Question ID : **9277595593**

Q.16 If A and B is square real matrix then which of the following is correct.

Ans

✗ 1. $A-A^T$ is always symmetric

✗ 2. $A+A^T$ is always skew-symmetric

✗ 3. AB is always symmetric

✓ 4. AB is not necessarily symmetric

Question ID : **9277595601**

Q.17 If A and B are two sets such that $A \cap B = m$ then number of two sided relation is-

Ans

✗ 1. m^2

✗ 2. m

✓ 3. $2^{m \times m}$

✗ 4. 2^m

Question ID : **9277595595**

Q.18 If derivative of $\langle df/dx, df/dy \rangle = \langle 3+2xy, x^2-3y^2 \rangle$ then value of f(x, y) is:

Ans

✗ 1. $3x + x^2y+y^3$

✓ 2. $3x + x^2y-y^3$

✗ 3. $2x + x^2y -y^3$

✗ 4. $2x + x^2y+y^3$

Question ID : **9277595590**

Q.19 The number of solutions of $2\cos x = |\sin x|$ when $x \in [0, 4\pi]$

Ans

✗ 1. 5

✗ 2. 6

✗ 3. 3

✓ 4. 4

Question ID : **9277595584**

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Q.20 The angle between the curves <t, 1-t, 3 + t²> and <3 -t, t-2, t²> is:

Ans
✗ 1. cosθ= √3
✗ 2. cosθ= (2/√3)
✓ 3. cosθ= (1/√3)
✗ 4. cosθ= (√3/2)

Question ID : **9277595591**

Section : **Discipline2**

Q.1 If the rate of growth is proportional to the amount x of the substance present and if dx/dt = kx then x is equal to (with C1 constant)

Ans
✗ 1. C1 e^{2kt}
✗ 2. C1 e^{-kt}
✓ 3. C1 e^{kt}
✗ 4. C1 e^{-2kt}

Question ID : **9277595616**

Q.2 All real solutions of the differential equation y"+2ay'+by = cos(x) (Where a & b are real constants) are periodic if -

Ans
✓ 1. a = 1 and b ≠ 0
✗ 2. a = 0 and b ≠ 1
✗ 3. a = 1 and b = 0
✗ 4. a = 0 and b = 1

Question ID : **9277595619**

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Q.3 If lim(x-x/x) then what can be said about limit as x →∞?

Ans
✓ 1. Limit does not exist
✗ 2. Left hand limit is 0
✗ 3. Right hand limit is 2
✗ 4. Limit exist

Question ID : **9277595622**

Q.4 The series ∑$(-1)^n$.n, (where n∈N)

Ans
✗ 1. is bounded
✗ 2. convergent
✓ 3. not convergent
✗ 4. finite

Question ID : **9277595609**

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Q.5 A system by a set of variables and a set of equations that establish relationships between the variables is-

Ans
✗ 1. Algebra
✓ 2. Mathematical model
✗ 3. Multivariate calculus
✗ 4. Theory of real functions

Question ID : **9277595620**

Q.6 How many types of mathematical models are there-

Ans
✗ 1. 3
✓ 2. 2
✗ 3. 1
✗ 4. 4

Question ID : **9277595621**

Q.7 The solution of the differential equation y'' + 4y = 0 Subject to y(0) = 1, y'(0) = 2 is

Ans
✓ 1. sin(2x) + cos(2x)
✗ 2. sin(2x)+ 1
✗ 3. sin(2x)-cos(2x)
✗ 4. cos (2x) + 2x

Question ID : **9277595617**

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Q.8 Which of the following is false

Ans
✓ 1. Set of natural number N is Uncountable
✗ 2. Set of Real number R is uncountable
✗ 3. Set of natural number N is countable
✗ 4. Close interval [0, 1] is uncountable

Question ID : **9277595603**

Q.9 Any equation contains n-orbitary constants then the order of differential equation derived from it is -

Ans
✗ 1. 2
✓ 2. n
✗ 3. n+1
✗ 4. n-1

Question ID : **9277595613**

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Q.10 Given IVP $y' = 2\sqrt{y}$, $y(1) = 0$ which one is correct in a neighbourhood of 0 ?

Ans

✔ 1. Solution exist but not uniquely

✘ 2. It has unique solution.

✘ 3. It has no solution.

✘ 4. None of these.

Question ID : **9277595614**

Q.11 Given functions f(x)=sin x, g(x)=cos x, h(x)= sin2x then The Wronskian of given equation is-

Ans

✘ 1. The Wronskian of given equation is sin(2x)

✔ 2. The Wronskian of given equation is 3sin(2x)

✘ 3. The Wronskian of given equation is 3cos(2x)

✘ 4. The Wronskian of given equation is identically zero.

Question ID : **9277595612**

Q.12 If A be the set containing 6 elements and B be the set containing 2 elements. Then total number of functions from A to B is

Ans

✘ 1. 46

✘ 2. 16

✘ 3. 60

✔ 4. 64

Question ID : **9277595604**

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Q.13 Let $< a_n > = \{-2, -3, -1, 0, 1, 2, 1, 0, 1, 0 \ldots.\}$ then which is true about $< a_n >$?

Ans

✘ 1. is convergent.

✘ 2. 1' is only limit point of A.

✘ 3. 0' is only limit point of A.

✔ 4. Limit point of A is '0' and '1'

Question ID : **9277595608**

Q.14 Determine y_0 such that the solution of the differential equation. $y' - y = 1 - e^{-x}$, $y(0)=y_0$, has a finite limit as $x \to \infty$

Ans

✘ 1. $y_0 = 0$

✔ 2. $y_0 = -1/2$

✘ 3. $y_0 = 2$

✘ 4. $y_0 = 1/2$

Question ID : **9277595615**

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Q.15 Let $< a_n >$ be sequence defined as $a_1 > 0$, $a_n+1 = \{ a_n+(2/ a_n)\}/2$, $n \geq 1$ then $\lim(a_n)$ as $n \to \infty$ is?

Ans
✗ 1. 3
✗ 2. 2
✗ 3. √3
✓ 4. √2

Question ID : **9277595607**

Q.16 If A=4, B= 3, then the number of onto relations from A to B is:

Ans
✗ 1. 12
✓ 2. 36
✗ 3. 81
✗ 4. 35

Question ID : **9277595605**

Q.17 If $< a_n > = < 2^{-n}.n^2 >$ then the limit of $< a_n >$ as $n \to \infty$ is:

Ans
✗ 1. ∞
✓ 2. 0
✗ 3. -1
✗ 4. 1

Question ID : **9277595606**

Q.18 If y_1 & y_2 are two linearly independent solutions of second order differential equation then which is correct.

Ans
✗ 1. $W(y_1, y_2) > 0$, for all x
✓ 2. $W(y_1, y_2) \neq 0$
✗ 3. $W(y_1, y_2) < 0$, for all x
✗ 4. $W(y_1, y_2) = 0$

Question ID : **9277595618**

Q.19 Given series $S_n = \sum \sin(n\pi/3)$ then which of the following is correct.

Ans
✗ 1. limSup(Sn) =∞
✗ 2. (Sn) is convergent
✗ 3. liminf(Sn) = -∞
✓ 4. (Sn) is not convergent

Question ID : **9277595610**

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Q.20 If $\sum a_n$ is convergent series of positive terms then $\sum a_n/(1+a_n)$ is:

Ans
- ✗ 1. Sum is not finite
- ✗ 2. None of these above
- ✓ 3. Convergent
- ✗ 4. Divergent

Question ID : **9277595611**

Section : **Discipline3**

Q.1 Let S be the subset of real number R. If f is differentiable on S and g is not differentiable on S. Then which is true.

Ans
- ✗ 1. f-g must be differentiable.
- ✓ 2. f+g and f-g can not be differentiable
- ✗ 3. f.g must be differentiable (Where $f(x) \neq 0$, for all $x \in S$)
- ✗ 4. f+g must be differentiable.

Question ID : **9277595628**

Q.2 The law which enables an integral taken around a closed curve to be replaced by one taken over any surface bounded by that curve is:-

Ans
- ✓ 1. stoke's law
- ✗ 2. Gauss's law
- ✗ 3. closure law
- ✗ 4. divergence law

Question ID : **9277595640**

Q.3 Let f: R→R defined by $f(x) = x^6-1$, if $x \in Q$, and $f(x)=1-x^6$, if $x \in Q^c$ then which is true about f(x).

Ans
- ✓ 1. f(x) is continuous at x=1, -1 only.
- ✗ 2. f(x) is continuous only at point x= -1
- ✗ 3. f(x) is continuous for all R
- ✗ 4. f(x) is continuous only at point x=1

Question ID : **9277595626**

Q.4 If f: $R^2 \to R$ given by $f(x, y)= 3x^4 - 4x^2 y + y^2$ for $(x, y) \in R$ then which is true.

Ans
- ✗ 1. Point (0, 0) is point of local minimum.
- ✗ 2. Neighbourhood of point (0, 0) gives f(x, y) always positive.
- ✓ 3. Point (0, 0) is neither point of maximum nor point of minimum.
- ✗ 4. (0, 0) is point of maximum.

Question ID : **9277595634**

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Q.5 Algebraic structures in which addition and multiplication are defined and have similar properties to those operation is study of -

Ans
- ✔ 1. ring theory
- ✘ 2. calculus
- ✘ 3. Riemann's integral
- ✘ 4. mensuration

Question ID : **9277595630**

Q.6 The Taylor series expansion of f(x) about a = 1 for the following function $f(x) = x^2 + 2x + 1$ is

Ans
- ✘ 1. $4 + 6(x-1) + 6(x-1)^2 + 4(x-1)^3$
- ✘ 2. $6 + 4(x-1) + 4(x-1)^2 + 4(x-1)^3$
- ✘ 3. $4 + 6(x-1) + 4(x-1)^2 + 4(x-1)^3$
- ✔ 4. $4 + 4(x-1) + (x-1)^2$

Question ID : **9277595632**

Q.7 The graph of a function f of two variables is the set of all points [x,y,f(x,y)] where (x,y) is in the :-

Ans
- ✘ 1. domain of x and y
- ✔ 2. domain of f
- ✘ 3. domain of y
- ✘ 4. domain of x

Question ID : **9277595633**

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Q.8 Consider the function f: [0, 1] →R define by f(1/2) = 1 and f(x) = 0 for all x ϵ [0, 1]-{1/2} then which is true.

Ans
- ✘ 1. $\int_0^1 f(x)dx \neq 0$
- ✘ 2. f is not integrable
- ✘ 3. Lower integral of f is non - zero.
- ✔ 4. f is integrable

Question ID : **9277595642**

Q.9 Expand $f(x) = x^4 - 5x^3 + 5x^2 + x + 2$ in powers of (x - 2) then the coefficient of $(x-2)^4$ is

Ans
- ✔ 1. 1
- ✘ 2. -2
- ✘ 3. -1
- ✘ 4. 2

Question ID : **9277595631**

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Q.10 lim{Sin(ax)/Sin(bx)} (a ≠ 0, b ≠ 0) is

Ans
✗ 1. b/a
✗ 2. Does not exist
✓ 3. a/b
✗ 4. a.b

Question ID : **9277595623**

Q.11 If f(x, y) = $x^3 + y^3 - 3x - 12y + 40$ then which is true.

Ans
✗ 1. (0, 0) is critical point.
✗ 2. (-1, -2) is local minima point.
✓ 3. (-1, 2) and (1, -2) are saddle points.
✗ 4. (1, 2) is local maxima point.

Question ID : **9277595635**

Q.12 If f(x) and g(x) defined as { f(x) =1, if x ϵ Q, f(x)= -1, if xϵ Q^c } & { g(x) =-1, if xϵ Q and g(x)=1, if x ϵ Q^c } then which is false.

Ans
✗ 1. f is not continuous
✓ 2. fog and gof both are continuous
✗ 3. fog is not continuous
✗ 4. g is not continuous

Question ID : **9277595627**

Q.13 The function f define by f(x) = {x^2+ 3x +a, if x ≤ 1} and f(x)= {bx + 2, if x > 1} is differentiable for all x. Then which is true.

Ans
✓ 1. a = 3, b = 5
✗ 2. a = 5, b = 3
✗ 3. a ≠3, b ≠ 5
✗ 4. a = 3, b = 0

Question ID : **9277595629**

Q.14 The area of cardioloide r = a (1 - cosθ) is

Ans
✗ 1. $5a^2\pi/2$
✗ 2. $a^2\pi/2$
✗ 3. $a^2\pi$
✓ 4. $3a^2\pi/2$

Question ID : **9277595636**

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Q.15 Gauss's theorem enables an integral taken over a_____ to be replaced by one taken over the surface bounding that volume and vice versa.

Ans
✔ 1. volume
✘ 2. surface area
✘ 3. area
✘ 4. height

Question ID : **9277595641**

Q.16 The correct value of lim (1-Cos x)/x as x →0 is

Ans
✘ 1. 1/√2
✔ 2. 0
✘ 3. Does not exist
✘ 4. √2

Question ID : **9277595624**

Q.17 Value of the integral $\int x^2dx+(x+y^2)dy$. Where C is closed curve given y = 0, y = x and $y^2 = 2 - x$ in the first quadrant, oriented counter clockwise.

Ans
✘ 1. 6/7
✔ 2. 7/6
✘ 3. 7/5
✘ 4. 1/6

Question ID : **9277595639**

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Q.18 Let f : R - {1} → R be defined as f(x) = Sin(x). Then which is true

Ans
✘ 1. f is not continuous in its domain.
✔ 2. f is not continuous at x = 1
✘ 3. f is continuous at x = 1
✘ 4. f is not continuous at x = 0

Question ID : **9277595625**

Q.19 Volume of the region enclosed by the paraboloid $(x-1)^2+y^2= z$ and the plane 2x+z = 2 is

Ans
✘ 1. π
✘ 2. π/3
✔ 3. π/2
✘ 4. π/4

Question ID : **9277595637**

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Q.20 The theorem which allows us to translate difficult line integrals into more simple double integral is:-

Ans
- ✗ 1. mean value theorem
- ✓ 2. Green's theorem
- ✗ 3. cantor's theorem
- ✗ 4. stoke's theorem

Question ID : **9277595638**

Section : **Discipline4**

Q.1 If f(x) = 1 if xϵ Q and f(x) = 0 if x ϵ Q^c then

Ans
- ✗ 1. None of these
- ✗ 2. f is integrable over [a, b]
- ✓ 3. f is not integrable over any [a, b]
- ✗ 4. f is unbounded

Question ID : **9277595643**

Q.2 Let $\{f_n\}$ be the sequence of function on $(0, \infty)$ defined by $f_n(x)= nx/(1+n^2x^2)$ then which is true

Ans
- ✗ 1. $\{f_n(x)\}$ is uniformly convergent
- ✓ 2. $\{f_n(x)\}$ is pointwise convergent but not uniformly convergent.
- ✗ 3. None of these above.
- ✗ 4. {fn(x)} is not pointwise convergent

Question ID : **9277595648**

Q.3 Let S and T are two bounded sets then which is false

Ans
- ✗ 1. inf{x+y; xϵS, y ϵT}= infS+infT
- ✗ 2. inf{x-y; xϵS, y ϵT}= infS-supT
- ✓ 3. sup{x-y; xϵS, y ϵT}= supS-supT
- ✗ 4. sup{x+y; xϵS, y ϵT}= supS+supT

Question ID : **9277595659**

Q.4 A metric space is compact if every open cover of x has:-

Ans
- ✗ 1. empty set
- ✗ 2. subgroup
- ✗ 3. nonempty set
- ✓ 4. finite subcover

Question ID : **9277595660**

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Q.5 Let f: [0, 1] →R such that f(x) = {1/n, if x = 1/n, and f(x)= 0, otherwise} then which is true.

Ans
✗ 1. f is not integrable
✗ 2. $\int_0^1 f(x)dx \neq 0$
✓ 3. f is integrable
✗ 4. $\int_0^1 f(x)dx = 1$

Question ID : **9277595644**

Q.6 Radius of convergence of power series $\sum(-1)^{n+1}nx^{2n-2}$

Ans
✗ 1. 0
✗ 2. 2
✗ 3. ∞
✓ 4. 1

Question ID : **9277595650**

Q.7 If S=[0, 1] and T=[0, 2] then which is true

Ans
✗ 1. min{supS, supT}= 4
✗ 2. inf(S∩T)=min{supS, supT}
✗ 3. min{supS, supT}= 0
✓ 4. sup(S∩T)≠min{supS, supT}

Question ID : **9277595655**

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Q.8 A bounded function f on [a,b] said to be Riemann integrable if:-

Ans
✗ 1. L(f)=1
✗ 2. L(f)=0
✓ 3. L(f)=U(f)
✗ 4. U(f)-0

Question ID : **9277595651**

Q.9 _____is one of the principal topological properties that are used to distinguish topological spaces.

Ans
✗ 1. closeness
✓ 2. connectedness
✗ 3. openness
✗ 4. compactness

Question ID : **9277595661**

Q.10 The value of integral $\int e^{-x}dx$. is, (where 0 is lower limit and ∞ is upper limit of integration)

Ans
✗ 1. ∞
✓ 2. 1
✗ 3. -2
✗ 4. 2

Question ID : **9277595645**

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Q.11 A function that defines a concept of distance between any two members of set which are usually called points is:-

Ans
- ✔ 1. metric space
- ✘ 2. open set
- ✘ 3. a set
- ✘ 4. determinant

Question ID : **9277595652**

Q.12 A group isomorphism from a group to itself is:-

Ans
- ✘ 1. closure
- ✔ 2. group automorphism
- ✘ 3. Abelian
- ✘ 4. homomorphism

Question ID : **9277595662**

Q.13 To verify that (s,d) is a metric space we should first check that if d(x,y)=0 then:-

Ans
- ✘ 1. x=0
- ✘ 2. y=0
- ✘ 3. y=-1
- ✔ 4. x=y

Question ID : **9277595658**

Q.14 Let $g_n(y) = \{ny^{1-n}/(1+y)$, if $0 \le y < 1$, $g_n(y)=0$, if $y = 1\}$ then the value of $\lim \int g_n(y)\, dy$ as $n \to \infty$ is (where 0 is lower limit and 1 is upper limit of integration)

Ans
- ✘ 1. 1/4
- ✘ 2. 1/3
- ✔ 3. 1/2
- ✘ 4. -1/2

Question ID : **9277595646**

Q.15 Let S be an infinite subset of R such that $S \cap Q = \varphi$. which of the following statement is true

Ans
- ✔ 1. R\S must have a limit point which belongs to S.
- ✘ 2. S must have a limit point which belongs to Q
- ✘ 3. S must have a limit point which belongs to R\Q
- ✘ 4. limit point of R\S is finite

Question ID : **9277595656**

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Q.16 Consider the sequence $\{f_n\}$ of functions defined on R by $f_n(x) = \{Sin(nx)\}/n$ then which is true

Ans

✔ 1. The derivative of $f'_n(x)$ is not pointwise convergent

✘ 2. The derivative of $f'_n(x)$ is pointwise convergent

✘ 3. can not say

✘ 4. The derivative of $f'_n(x)$ is uniformly convergent

Question ID : **9277595649**

Q.17 A metric space has a notion of distance , while a topological space only has a notion of :-

Ans

✔ 1. closeness

✘ 2. distance

✘ 3. Space

✘ 4. openness

Question ID : **9277595654**

Q.18 Let (X, d) and (Y, d) be two metric spaces, and $f : X \to Y$. Then which is true

Ans

✔ 1. f is a continuous function iff the pre-image of open sets is always open

✘ 2. f is a continuous function iff the pre-image of closed sets is always open

✘ 3. f is a continuous function iff the pre-image of open sets is always closed

✘ 4. None of these is true

Question ID : **9277595657**

Q.19 Consider the sequence $\{f_n\}$ of functions defined by $f_n(x) = x^n$ for $0 \le x \le 1$ then which is true

Ans

✘ 1. {fn(x)} is uniformly convergent.

✘ 2. $\{f_n(x)\}$ is pointwise convergent as well as uniformly convergent.

✔ 3. $\{f_n(x)\}$ is pointwise convergent but not uniformly convergent.

✘ 4. {fn(x)} is not pointwise convergent.

Question ID : **9277595647**

Q.20 Let (X, d) be a metric space, and let $A \subseteq X$. Then which is false

Ans

✘ 1. the interior of A is the union of all open subsets of X contained in A

✘ 2. the closure of A is the intersection of all closed subsets of X which contain A:

✘ 3. The interior of A, Int(A), is the greatest open subset of X contained in A

✔ 4. The interior of A, Int(A), is the smallest open subset of X contained in A

Question ID : **9277595653**

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Section : **Discipline5**

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Q.1 **Every holomorphic function is :-**

Ans
✗ 1. complex vector space
✗ 2. commutative
✓ 3. analytic
✗ 4. complex

Question ID : **9277595672**

Q.2 **The external direct product of additive group of integer Z with itself is**

Ans
✗ 1. Abelian as well as cyclic group
✓ 2. Not cyclic group
✗ 3. Cyclic group
✗ 4. Cyclic but not abelian

Question ID : **9277595664**

Q.3 **Let P be a prime number. Let G be the group of all 2×2 matrices over Zp with determinant 1 under matrix multiplication. Then the order of G is**

Ans
✗ 1. p^3
✓ 2. $p(p+1)(p-1)^2$
✗ 3. $p^2(p-1)$
✗ 4. $p^2(p-1)+p$

Question ID : **9277595667**

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Q.4 **Let G be a group of order p.q.r, where p<q<r being primes then which is false**

Ans
✗ 1. G has a normal subgroup of order qr.
✗ 2. G is not simple
✗ 3. sylow r-subgroup is normal in G
✓ 4. If q/(r-1) then sylow q-subgroup is normal in G

Question ID : **9277595670**

Q.5 **Let G be non abelian group of order p^3 (where p is prime) then which is false**

Ans
✗ 1. Number of conjugate classes of cardinality one are p
✓ 2. $O(Z(G)) \neq p$
✗ 3. Number of conjugate classes of cardinality p are p^2-1
✗ 4. $O(Z(G)) = p$

Question ID : **9277595669**

Q.6 **The external direct product of two cyclic group is**

Ans
✗ 1. Cyclic as well as abelian
✗ 2. must be cyclic group of finite order
✓ 3. Need not be cyclic group
✗ 4. Always cyclic group

Question ID : **9277595665**

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Q.7 **Let G be a infinite cyclic group then which is true**

Ans
- ✔ 1. G is isomorphic to (Z, +)
- ✘ 2. G is isomorphic to $(Z_4, +)$
- ✘ 3. G may not be isomorphic to (Z, +)
- ✘ 4. G is isomorphic to $(Z_3, +)$

Question ID : **9277595666**

Q.8 **Number of homomorphism from $Z_3 \rightarrow Z_6$ is**

Ans
- ✔ 1. 4
- ✘ 2. 1
- ✘ 3. 2
- ✘ 4. 8

Question ID : **9277595663**

Q.9 **Number of one-one homomorphism from $Z_{10} \rightarrow Z_5$ is**

Ans
- ✘ 1. 5
- ✘ 2. 3
- ✔ 3. 4
- ✘ 4. 8

Question ID : **9277595668**

Q.10 **Let G be group of order 21 then which is correct**

Ans
- ✘ 1. If G is abelian then G need not be cyclic
- ✔ 2. If G is abelian then G is cyclic
- ✘ 3. G is always cyclic
- ✘ 4. can not say

Question ID : **9277595671**

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Section : **Teaching Methodology**

Q.1 **Peace education involves which of the following.**

Ans
- ✔ 1. Self-reflection and listening to the inner voice
- ✘ 2. collaborative skills and respect for human rights
- ✘ 3. Values derived from the Indian Constitution
- ✘ 4. Language usages in diverse social households

Question ID : **9277595676**

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Q.2 Most families coming under poor poverty line, chooses boy child to sent school and girl child is _____.

Ans
✔ 1. Sent to work
✘ 2. Sent for work and school both
✘ 3. Forced to marry
✘ 4. Sent to school with boy child

Question ID : **9277595677**

Q.3 Find the incorrect definition of "Belief".

Ans
✘ 1. Belief is, it is a mental representation of an attitude positively oriented towards the likelihood of something being true.
✔ 2. Belief refers to ancient superstitions and religious patterns.
✘ 3. Belief is the state of mind in which a person thinks something to be the case
✘ 4. Belief is a common label for convictions, surmises, suppositions, expectations.

Question ID : **9277595680**

Q.4 Which of the following is not an advantage to the Dramatization technique?

Ans
✔ 1. Used to Explore inferences and interpretations
✘ 2. Build story telling abilities
✘ 3. Great way to learn to express themselves
✘ 4. Helps the children to assume responsibility

Question ID : **9277595679**

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Q.5 _____ in research is the degree to which the results of a research can apply beyond the bounds of the project.

Ans
✔ 1. Transferability
✘ 2. Validity
✘ 3. Reliability
✘ 4. Relevance

Question ID : **9277595681**

Q.6 As per the RPWD act, what is the minimum disability criteria to avail any government schemes?

Ans
✘ 1. 70 %
✘ 2. 60 %
✘ 3. 50 %
✔ 4. 40 %

Question ID : **9277595682**

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Q.7 **Which of the following is the slogan of naturalism?**

Ans
✗ 1. Follow science
✗ 2. Follow resources
✗ 3. Follow rules
✓ 4. Follow Nature

Question ID : **9277595674**

Q.8 **_____ is a technique by which the teacher gets the learners to give information rather than giving it to them.**

Ans
✗ 1. Pomodoro
✗ 2. Display questions
✗ 3. Referential questions
✓ 4. Elicitation

Question ID : **9277595675**

Q.9 **Which are the three components of educational process?**

Ans
✗ 1. Activities , Study and Teacher
✓ 2. Teacher, Students and Education
✗ 3. Friends, Teacher and Subject
✗ 4. Students, Friends and Education

Question ID : **9277595673**

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Q.10 **The hidden-curriculum concept is based on___.**

Ans
✗ 1. perpetuate unequal power relations operating among gender
✗ 2. existing social and cultural ethos of the society
✓ 3. the recognition that students absorb lessons in school that may or may not be part of the formal course of study
✗ 4. policies on gender equality in education and practices

Question ID : **9277595678**

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Q.3 A, B, C, D, E, and F are six candidates who appeared for their physical test. No two person have the same height. D is not the tallest person. At least three people are shorter than D but taller than E. How many people are taller than E?

Ans
- ✔ A. Five
- ✘ B. Two
- ✘ C. Four
- ✘ D. Three

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Question ID : **9277596699**

Q.4 Find the last term of the series. 16, 24, 60, 210, _____.

Ans
- ✘ A. 840
- ✔ B. 945
- ✘ C. 420
- ✘ D. 630

Question ID : **9277596702**

Q.5 Study the following information carefully to answer the given questions: 9 W % B © Y 5 V U 3 # 2 G $ R 2 Q £ 6 K S
How many such symbols are there in the above arrangement each of which is immediately preceded by letter but not immediately followed by a letter?

Ans
- ✘ A. Two
- ✘ B. Three
- ✔ C. One
- ✘ D. Four

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Question ID : **9277596703**

Q.6 In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.

Statement:
E ≥ Y ≥ Z; P > Q ≥ Y = S
Conclusions:
I. Q ≥ Z
II. P > S

Ans
- ✔ A. Both conclusion I and II follow
- ✘ B. Only conclusion II follows
- ✘ C. Only conclusion I follows
- ✘ D. Either conclusion I or II follow

Question ID : **9277596698**

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Q.7 **Select the option that is related to the third term on the same basis as the second term is related to the first term.**

Gmail : Email service :: Facebook : ?

Ans
✗ A. Storage platform

✓ B. Social Network

✗ C. Calendar

✗ D. Trading account

Question ID : **9277596693**

Q.8 **Complete the following letter series:**

ADGS, EGIT, IJKU, MMMV, ____

Ans
✗ A. NNUW

✗ B. ONPM

✗ C. QMVM

✓ D. QPOW

Question ID : **9277596696**

Q.9 **Select the most logical course of action for the following scenario.**
Rohit got a call for a job interview which he needed very badly. But on the same day, he was having his final exam of his college. He will _____

Ans
✗ A. Leave his final exam and will give the interview and get selected.

✓ B. Ask the job authorities to reschedule the interview to the next day, and will appear in the examination.

✗ C. Leave his interview and will give the final exam.

✗ D. Reschedule his exam.

Question ID : **9277596700**

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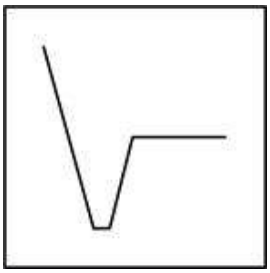
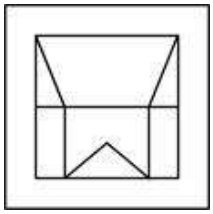
Q.10 From the given answer figures, select the one in which the question figure is hidden/embedded.

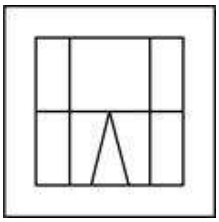


Ans

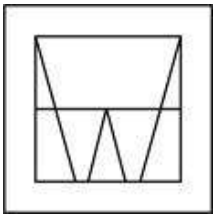
✗ A.



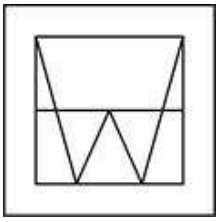
✗ B.



✓ C.



✗ D.



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Question ID : **9277596708**

Q.11 निम्नलिखित परिदृश्य के लिए कार्रवाई का सबसे तार्किक पाठ्यक्रम चुनें।
आप एक XYX बैंक में काम करते हैं और क्रोधित ग्राहक शिकायत रिपोर्टिंग के लिए बैंक के प्रबंधक से मिलना चाहता है। आप क्या करेंगे?

Ans

✓ A. वरिष्ठों से सलाह मशविरा कर उसकी असुविधा को दूर करने का प्रयास करेंगे।

✗ B. सिक्योरिटी को बैंक से उसे बाहर निकालने के लिए कहेंगे।

✗ C. उसे बताएंगे कि प्रबंधक से मिलना आसान नहीं है।

✗ D. उससे बदतमीजी से बात करेंगे।

Question ID : **9277596701**

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Q.12 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
- ✔ A. Virus
- ✘ B. Cancer
- ✘ C. Diphtheria
- ✘ D. Diabetes

Question ID : **9277596694**

Q.13 निम्नलिखित कथनों को पढ़ें और उनके आधार पर प्रश्न का उत्तर दें।

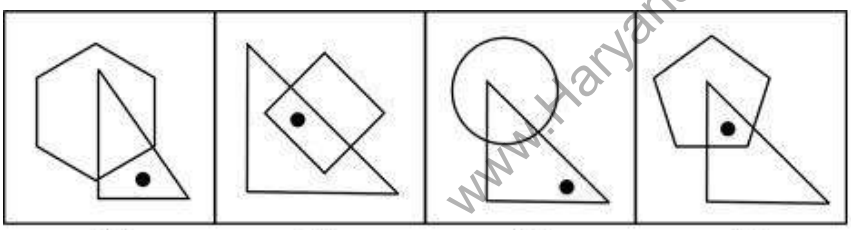
'A $ B' का अर्थ है 'A, B का पिता है'।
'A # B' का अर्थ है 'B, A की पुत्री है'।
'A × B' का अर्थ है 'B, A की बहन है'।
'A @ B' का अर्थ है 'B, A का पति है'।

अभिव्यक्ति P @ Q $ R @ S # T में P, T से कैसे संबंधित है?

Ans
- ✘ A. दादी
- ✘ B. माता
- ✘ C. पिता
- ✔ D. नानी

Question ID : **9277596705**

Q.14 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.



Ans
- ✘ A. Image 4
- ✘ B. Image 1
- ✘ C. Image 2
- ✔ D. Image 3

Question ID : **9277596709**

Q.15 Six boys P, Q, R, S, T and U are sitting around a circular table facing inside but not necessarily in same order. Two person sits between P and U and P sits immediate left of S. S sits opposite to T and sits second to right of R. Who sits opposite to R?

Ans
- ✘ A. P
- ✘ B. T
- ✔ C. Q
- ✘ D. S

Question ID : **9277596706**

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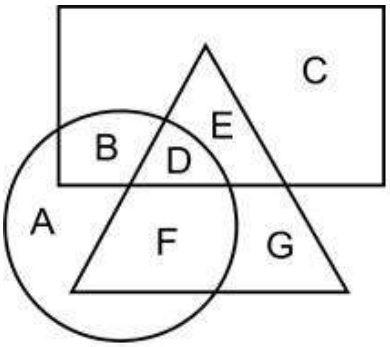
Q.16 In the following Venn Diagram, the triangle represents cricket, the circle represents football and the rectangle represents kabaddi. Which set of letters represents players who play kabaddi and cricket but not football?



Ans
✗ A. B
✓ B. E
✗ C. BDE
✗ D. DE

Question ID : **9277596711**

Q.17 S, B और L का एक व्यवसाय है जिसमें वे 5 : 4 : 3 के अनुपात में लाभ साझा करते हैं। जब B व्यवसाय से सेवानिवृत्त होता है, तो वह अपना 1/4वां हिस्सा S को और शेष L को देता है। S और L का नया लाभ-सहभाजन अनुपात ज्ञात करें।

Ans
✓ A. 1:1
✗ B. 1:2
✗ C. 1:3
✗ D. 2:1

Question ID : **9277596707**

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Q.18 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✗ A. 512
✗ B. 125
✓ C. 1728
✗ D. 1331

Question ID : **9277596695**

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Q.19 If a mirror is placed on the line AB, then which of the answer figure is the correct mirror image of the given figure?

Ans
✔ A.
✘ B.
✘ C.
✘ D.

Question ID : **9277596710**

Q.20 Find the wrong term in the given series.

1152, 144, 30, 6, 3

Ans
✔ A. 30
✘ B. 3
✘ C. 6
✘ D. 144

Question ID : **9277596697**

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Section : **General Awareness**

Q.1 निम्नलिखित में से किस खेल में, सामान्यतः 'गूगली' शब्द का प्रयोग किया जाता है?

Ans
✔ A. क्रिकेट
✘ B. शतरंज
✘ C. हॉकी
✘ D. बैडमिंटन

Question ID : **9277596720**

Q.2 Who is the author of 'Chitra'?

Ans
✘ A. M.K.Gandhi
✘ B. Kalidas
✔ C. Rabindra Nath Tagore
✘ D. Vishnu Sharma

Question ID : **9277596732**

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Q.3 Mohan jumped from bed to floor. When he hit the floor, he felt a force applied by the floor. Which law of physics, Mohan experienced?

Ans
- ✗ A. Newton 1st Law
- ✗ B. Hubble's Law
- ✓ C. Newton 3rd Law
- ✗ D. Newton 2nd Law

Question ID : **9277596726**

Q.4 In which year WEF (World Economic Forum) was founded?

Ans
- ✗ A. 1976
- ✗ B. 1961
- ✗ C. 1966
- ✓ D. 1971

Question ID : **9277596730**

Q.5 निम्नलिखित में से कौन सा नृत्य राजस्थान राज्य से उत्पन्न हुआ है?

Ans
- ✓ A. तेराताल
- ✗ B. पेनका
- ✗ C. सावरी
- ✗ D. महल

Question ID : **9277596722**

Q.6 Which among the following institutions has developed NBDriver (neighbourhood driver) for analysing the cancer-causing mutations in cells?

Ans
- ✗ A. IIT-Bombay
- ✗ B. IIT-Delhi
- ✗ C. IIT-BHU Varanasi
- ✓ D. IIT-Madras

Question ID : **9277596713**

Q.7 Who has discovered Insulin?

Ans
- ✗ A. Finsen
- ✓ B. Banting
- ✗ C. Domagk
- ✗ D. Salk

Question ID : **9277596728**

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Q.8 कौन सा राज्य 'वारली लोक चित्रकला' के लिए प्रसिद्ध है?

Ans
✗ A. ओड़िशा
✗ B. राजस्थान
✓ C. महाराष्ट्र
✗ D. पश्चिम बंगाल

Question ID : **9277596721**

Q.9 Under which of the following article of the constitution, right to property is given?

Ans
✗ A. Article 243
✗ B. Article 19
✓ C. Article 300A
✗ D. Article 35A

Question ID : **9277596718**

Q.10 India, also known as Bharat, is a:

Ans
✗ A. Union of country
✗ B. Union of peoples
✓ C. Union of States
✗ D. Union of World

Question ID : **9277596717**

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Q.11 Who discovered the diffraction of electrons?

Ans
✗ A. Anderson
✗ B. Eugene Goldstein
✗ C. Avogadro
✓ D. Sir George Thomson

Question ID : **9277596729**

Q.12 Which among the following person has written 'Far from the Madding Crowd'?

Ans
✓ A. Thomas Hardy
✗ B. William Shakespeare
✗ C. Alexander Solzhenitsyn
✗ D. Somerset Maughan

Question ID : **9277596731**

Q.13 What is the SI unit of 'luminous intensity'?

Ans
✗ A. watt
✗ B. Joule
✗ C. ampere
✓ D. candela

Question ID : **9277596727**

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Q.14 India played its first official cricket one-day international match against which of the following countries?

Ans
- ✗ A. Australia
- ✗ B. New Zealand
- ✗ C. Pakistan
- ✓ D. England

Question ID : **9277596719**

Q.15 When did Ramkrishna Mission establish?

Ans
- ✓ A. 1897
- ✗ B. 1895
- ✗ C. 1898
- ✗ D. 1896

Question ID : **9277596716**

Q.16 Which Ministry is connected with the National Logistics Excellence Awards?

Ans
- ✗ A. Ministry of Information and Broadcasting
- ✓ B. Ministry of Commerce and Industry
- ✗ C. Ministry of Jal Shakti
- ✗ D. Ministry of Home Affairs

Question ID : **9277596714**

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Q.17 Where is Tabo Monastery located?

Ans
- ✗ A. Uttar Pradesh
- ✗ B. Bengal
- ✗ C. Jharkhand
- ✓ D. Himachal Pradesh

Question ID : **9277596724**

Q.18 Who travelled to the United Kingdom in 1830 as the Mughal Empire's ambassador to ensure that Lord William Bentinck's Bengal Sati Regulation was not repealed or overturned?

Ans
- ✓ A. Raja Rammohan Roy
- ✗ B. Swami Vivekananda
- ✗ C. Nehru
- ✗ D. Surendranath Banerjee

Question ID : **9277596715**

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Q.19 When was RBI (Reserve Bank of India) established?

Ans
- ✗ A. 1st April 1936
- ✓ B. 1st April 1935
- ✗ C. 1st April 1950
- ✗ D. 1st April 1937

Question ID : **9277596725**

Q.20 Who discovered the South Pole?

Ans
- ✗ A. Vasco-D-Gama
- ✗ B. Captain James cook
- ✓ C. Amundsen
- ✗ D. Robert Edwin Peary

Question ID : **9277596723**

Section : **Arithmetic Ability**

Q.1 A farm house can be built by a number of workers in 22 days. While their 3 workers were absent, so it took 24 days to complete the work. What was the actual number of workers?

Ans
- ✗ A. 40
- ✓ B. 36
- ✗ C. 72
- ✗ D. 24

Question ID : **9277596749**

Q.2 The greatest number of four digits which is divisible by 9, 24, 35 and 56 is:

Ans
- ✗ A. 5760
- ✓ B. 7560
- ✗ C. 9540
- ✗ D. 8550

Question ID : **9277596736**

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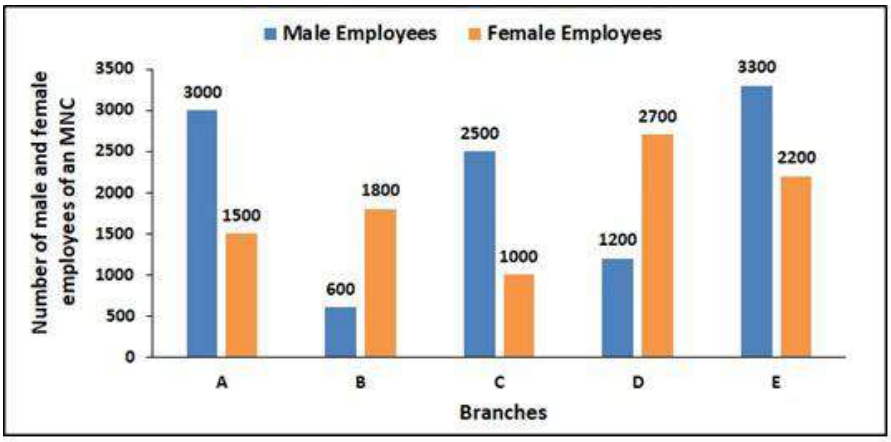
Q.3 **The bar given below shows number of male and female employees of five branches of an MNC.**
What is the difference between average number of male employees and average number of female employees of the five branches taken together?



Ans
✗ A. 1400
✗ B. 400
✗ C. 138
✓ D. 280

Question ID : **9277596751**

Q.4 **In a class, there are 25 boys and 50 girls. Each boy got pen that are 2% of the total number of girls, and each girl got pen that are 4% of the total number of students. Then find the total number of pens in the class.**

Ans
✗ A. 200
✗ B. 160
✓ C. 175
✗ D. 60

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Question ID : **9277596740**

Q.5 **Ram invested Rs. 10000 at x% simple interest for 2 years. After 2 years, he noticed that if he has given the money on compound interest then he would have got Rs. 144 more as interest. Find the rate of interest.**

Ans
✓ A. 12%
✗ B. 15%
✗ C. 20%
✗ D. 10%

Question ID : **9277596747**

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Q.6 There were 70 employees in the IT start up company. If the number of employees increases by 14, the expense send for Refreshment increases by Rs.84 per day while the average expenditure per head diminishes by Rs.2. Find the Original expenditure for the Refreshment?

Ans
- ✗ A. Rs. 1460
- ✗ B. Rs. 1560
- ✗ C. Rs. 1360
- ✓ D. Rs. 1260

Question ID : **9277596742**

Q.7 In a circular bed we need to plant some plants allowing 11 sq. cm for each plant. If the outer edge of circular bed measure 44 cm, how many plants can be planted in it? (use π = 22/7)

Ans
- ✗ A. 75
- ✓ B. 14
- ✗ C. 18
- ✗ D. 12

Question ID : **9277596748**

Q.8 The three person A, B and C can complete the work in 40 days. If the ratio of efficiencies of A, B and Cis 3 : 2 : 5, then find in how many days A and C together can complete (2/5)th part of that work.

Ans
- ✗ A. 15 days
- ✓ B. 20 days
- ✗ C. 16 days
- ✗ D. 25 days

Question ID : **9277596739**

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Q.9 A boat can row 56 kmph in still water. It takes thrice as long to row up as compared to rowing down in the river.

Ans
- ✗ A. 21 km/hr
- ✓ B. 28 km/hr
- ✗ C. 56/3 km/hr
- ✗ D. 14 km/hr

Question ID : **9277596750**

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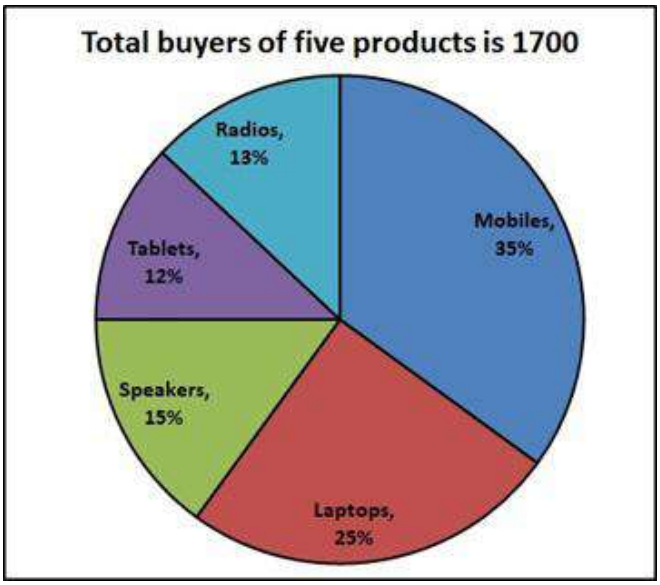
Q.10 The pie chart shows the distribution of buyers of different products.
100 Laptop buyers are females. Male buyers of Laptops are approximately what percent of total buyers of Laptops?



Ans
- ✗ A. 65%
- ✗ B. 82%
- ✗ C. 71%
- ✓ D. 76%

Question ID : **9277596752**

Q.11 In a school, the student in Science and Commerce stream were in the ratio of 3 : 5 respectively. When 70 more students joined commerce stream the ratio became 8 : 15. How many students are there in Science stream?

Ans
- ✗ A. 224
- ✗ B. 560
- ✓ C. 336
- ✗ D. 112

Question ID : **9277596738**

Q.12 एक शहर में 2000 निवासी हैं। 60% पुरुष हैं जिनमें से 20% साक्षर हैं। यदि, सभी निवासियों में से 30% साक्षर हैं, तो शहर की महिलाओं का कितना प्रतिशत साक्षर है?

Ans
- ✓ A. 45%
- ✗ B. 35%
- ✗ C. 50%
- ✗ D. 40%

Question ID : **9277596741**

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Q.13 What will come in the place of question mark(?) in the following question?

(14/3) of (9/7) + (6/5) × 15 - 10 = 46 - ?

Ans
✗ A. 42
✗ B. 22
✓ C. 32
✗ D. 34

Question ID : **9277596735**

Q.14 In an office, the average height of 36 employees is 90 feet. If 'n' employees were included whose average height was 81 feet and now the average height of total employees is 87 feet. Find the total number of employees in an office.

Ans
✗ A. 48
✓ B. 54
✗ C. 60
✗ D. 50

Question ID : **9277596743**

Q.15 What approximate value will come in the place of question mark(?) in the following question?

(42.99 × 10.01) ÷ 5.02 = 37.03 × 1.98 + ?

Ans
✗ A. 20
✓ B. 12
✗ C. 19
✗ D. 4

Question ID : **9277596734**

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Q.16 A trader mixes 24 kg of rice at Rs. 18 per kg with 27 kg of rice of other variety at Rs. 30 per kg and sells the mixture at Rs. 25 per kg. Find his profit or loss.

Ans
✓ A. Rs. 33 profit
✗ B. Rs. 23 loss
✗ C. Rs. 33 loss
✗ D. Rs. 23 profit

Question ID : **9277596745**

Q.17 What approximate value will come in the place of question mark(?) in the following question?

√2915 × √786 ÷ √728 = ? ÷ 8

Ans
✓ A. 448
✗ B. 548
✗ C. 224
✗ D. 7

Question ID : **9277596733**

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Q.18 A man buys a chair for Rs. 800 and sells it at a loss of 15%. What is the selling price of the chair?

Ans
- ✗ A. Rs. 780
- ✗ B. Rs. 620
- ✓ C. Rs. 680
- ✗ D. Rs. 650

Question ID : **9277596744**

Q.19 An article is marked at Rs. 4500 and the shopkeeper allow three successive discount of 20%, 20%, 10% respectively. Find selling price of article.

Ans
- ✗ A. Rs. 2582
- ✓ B. Rs. 2592
- ✗ C. Rs. 2620
- ✗ D. Rs. 2492

Question ID : **9277596746**

Q.20 Find the lowest common multiple of 0.24, 0.36 and 0.40.

Ans
- ✓ A. 3.6
- ✗ B. 1.44
- ✗ C. 2.88
- ✗ D. 0.72

Question ID : **9277596737**

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Section : **General English**

Q.1 Choose the right synonym for "abduct."

Ans
- ✗ A. Ravage
- ✗ B. Deceive
- ✓ C. Kidnap
- ✗ D. Kill

Question ID : **9277596756**

Q.2 Select the word that is opposite in meaning (ANTONYM) to the word given below.

BANAL

Ans
- ✗ A. DUMB
- ✓ B. SHARP
- ✗ C. SIMPLE
- ✗ D. COMMON

Question ID : **9277596764**

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Q.3 Select the word that is similar in meaning (SYNONYM) to the word given below.

BELLICOSE

Ans
✔ A. THREATENING
✘ B. STEADINESS
✘ C. PASSIVE
✘ D. PACIFISTIC

Question ID : **9277596762**

Q.4 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

I was (intending to) my honourable friend with respect to the reply that I gave some moments ago.

Ans
✘ A. hinting to
✘ B. eluding to
✘ C. No correction required
✔ D. referring to

Question ID : **9277596755**

Q.5 The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.

Owing to their remoteness, the islands of New Zealand were the last large habitable lands to be settled by humans.

P. In 1642, the Dutch explorer Abel Tasman became the first European to sight New Zealand.

Q. Between about 1280 and 1350, Polynesians began to settle in the islands and developed the Māori culture.

R. In 1841, New Zealand became a colony within the British Empire.

S. In 1840, representatives of the United Kingdom and Māori chiefs signed the Treaty of Waitangi, which declared British sovereignty over the islands.

In 1907 it became a dominion; it gained full statutory independence in 1947.

Ans
✘ A. RSPQ
✘ B. SQRP
✘ C. PQRS
✔ D. QPSR

Question ID : **9277596760**

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Q.6 Select the word that is similar in meaning (SYNONYM) to the word given below.

PROPENSITY

Ans
✗ A. DISINCLINATION

✓ B. BIAS

✗ C. INADEQUACY

✗ D. ANTIPATHY

Question ID : **9277596763**

Q.7 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

I stayed staring at him until / he's out of sight, before giving / myself a hefty mental kick.

Ans
✓ A. I stayed staring at him until

✗ B. No Error

✗ C. he's out of sight, before giving

✗ D. myself a hefty mental kick.

Question ID : **9277596754**

Q.8 Fill in the blank with the most appropriate choice.

Now in her senior year she had the _____ to take it easy.

Ans
✗ A. difficulty

✓ B. leisure

✗ C. consultation

✗ D. interpretation

Question ID : **9277596757**

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Q.9 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

It's a scene that / really packs a wallop / because its believable.

Ans
✗ A. It's a scene that

✗ B. really packs a wallop

✗ C. No Error

✓ D. because its believable.

Question ID : **9277596753**

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Q.10 **Select the most appropriate idiom for the given sentence.**

Feeling nervous or scared.

Ans
- ✗ A. As keen as mustard.
- ✗ B. To play ducks and drakes.
- ✗ C. A smart cookie.
- ✓ D. Heart in mouth.

Question ID : **9277596766**

Q.11 **Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.**

The boundary between the

P. called the "Lehmann discontinuity",

Q. refers to another discontinuity,

R. although the name usually

S. inner and outer cores is sometimes

which has been named after K. Bullen.

Ans
- ✓ A. SPRQ
- ✗ B. PQRS
- ✗ C. QSPR
- ✗ D. RPQS

Question ID : **9277596759**

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Q.12 **Four words are given, out of which only one word is spelt incorrectly. Choose the incorrectly spelt word.**

Ans
- ✗ A. PSORIASIS
- ✗ B. MOISTEN
- ✗ C. COCOON
- ✓ D. SIEZE

Question ID : **9277596761**

Q.13 **Select the most appropriate meaning of the given proverb.**

Hunger is the best sauce.

Ans
- ✗ A. Hunger is the best lesson.
- ✗ B. Sometimes lessons are learnt the harder way.
- ✓ C. Food tastes better when one is hungry.
- ✗ D. Hungry man understands the value of money.

Question ID : **9277596767**

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Q.14 **The sentences below are not complete. There are four options for each question. Choose the best word to complete the sentence.**

Powered by infrared lasers, the _____ surface reflects and focuses this laser beam into a ring.

Ans
✔ A. shiny
✘ B. daunting
✘ C. drizzly
✘ D. dusky

Question ID : **9277596758**

Q.15 **Select the most appropriate 'one word ' for the expressions given below.**

Creation of exclusive custom-fitted clothing.

Ans
✘ A. Acture
✘ B. Limature
✔ C. Couture
✘ D. Feature

Question ID : **9277596765**

Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

There have been many ideas over time and across different cultures of what the feminine beauty ideal is for a woman's body image. How well a woman follows these beauty ideals can also influence her social status within her culture. Physically altering the body has been a custom in many areas of the world for a long time. In Burma, Padung girls from the age of about five years, have metal rings put around their necks. Additional rings are added to the girl's neck every two years. This practice is done to produce a giraffe-like effect in women. This practice is dying out, but these women would eventually carry up to 24 rings around their necks. A neck with many rings was considered the "ideal" image of physical beauty in this culture. In Europe, the corset has been used over time to create a tiny waistline. This was considered "ideal". A practice in China involved a girl's feet being bound at age six to create the "ideal" image of feet. The girl's feet were bound to become 1/3 the original size, which crippled the woman, but also gave her a very high social status and was much admired. After the revolution of 1911, this practice of foot binding was ended. The idea of what is considered the ideal of beauty for women varies across different cultural ideals and practices. The desire for skin-lightening is a common social practice among women of Asian, South-East Asian and African descent. Today the dominant beauty standard is deeply rooted in obtaining or possessing lighter skin within these societies.

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SubQuestion No : 16

Q.16 **Select the option that is similar in meaning to the underlined words '<u>Today the dominant beauty standard is deeply rooted</u>...' from the given options?**

Ans
✔ A. The most prevailing beauty ideal
✘ B. Most ideal beauty measure
✘ C. Most used beauty code
✘ D. Required standard of beauty

Question ID : **9277596773**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

There have been many ideas over time and across different cultures of what the feminine beauty ideal is for a woman's body image. How well a woman follows these beauty ideals can also influence her social status within her culture. Physically altering the body has been a custom in many areas of the world for a long time. In Burma, Padung girls from the age of about five years, have metal rings put around their necks. Additional rings are added to the girl's neck every two years. This practice is done to produce a giraffe-like effect in women. This practice is dying out, but these women would eventually carry up to 24 rings around their necks. A neck with many rings was considered the "ideal" image of physical beauty in this culture. In Europe, the corset has been used over time to create a tiny waistline. This was considered "ideal". A practice in China involved a girl's feet being bound at age six to create the "ideal" image of feet. The girl's feet were bound to become 1/3 the original size, which crippled the woman, but also gave her a very high social status and was much admired. After the revolution of 1911, this practice of foot binding was ended. The idea of what is considered the ideal of beauty for women varies across different cultural ideals and practices. The desire for skin-lightening is a common social practice among women of Asian, South-East Asian and African descent. Today the dominant beauty standard is deeply rooted in obtaining or possessing lighter skin within these societies.

SubQuestion No : 17

Q.17 Three assertions are given below (A, B & C) on the basis of your understanding of the passage, which one of the options is correct?

A. In China a woman acquired a very high social status if her feel were small which was done by a technique called foot binding.

B. The way a woman follows the beauty ideals or standards influence her social status in her respective culture.

C. In Australia, the corsets have been used to reduce waistline, which is considered ideal in the region.

Ans

✗ A. Only A is correct.

✗ B. All are incorrect.

✗ C. Only B is correct.

✓ D. A & B are correct, C is incorrect.

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Question ID : **9277596772**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

There have been many ideas over time and across different cultures of what the feminine beauty ideal is for a woman's body image. How well a woman follows these beauty ideals can also influence her social status within her culture. Physically altering the body has been a custom in many areas of the world for a long time. In Burma, Padung girls from the age of about five years, have metal rings put around their necks. Additional rings are added to the girl's neck every two years. This practice is done to produce a giraffe-like effect in women. This practice is dying out, but these women would eventually carry up to 24 rings around their necks. A neck with many rings was considered the "ideal" image of physical beauty in this culture. In Europe, the corset has been used over time to create a tiny waistline. This was considered "ideal". A practice in China involved a girl's feet being bound at age six to create the "ideal" image of feet. The girl's feet were bound to become 1/3 the original size, which crippled the woman, but also gave her a very high social status and was much admired. After the revolution of 1911, this practice of foot binding was ended. The idea of what is considered the ideal of beauty for women varies across different cultural ideals and practices. The desire for skin-lightening is a common social practice among women of Asian, South-East Asian and African descent. Today the dominant beauty standard is deeply rooted in obtaining or possessing lighter skin within these societies.

SubQuestion No : 18

Q.18 After the revolution of _____ the practice of foot binding was ended. Select the correct option.

Ans

✗ A. 1919

✗ B. 1921

✗ C. 1914

✓ D. 1911

Question ID : **9277596770**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

There have been many ideas over time and across different cultures of what the feminine beauty ideal is for a woman's body image. How well a woman follows these beauty ideals can also influence her social status within her culture. Physically altering the body has been a custom in many areas of the world for a long time. In Burma, Padung girls from the age of about five years, have metal rings put around their necks. Additional rings are added to the girl's neck every two years. This practice is done to produce a giraffe-like effect in women. This practice is dying out, but these women would eventually carry up to 24 rings around their necks. A neck with many rings was considered the "ideal" image of physical beauty in this culture. In Europe, the corset has been used over time to create a tiny waistline. This was considered "ideal". A practice in China involved a girl's feet being bound at age six to create the "ideal" image of feet. The girl's feet were bound to become 1/3 the original size, which crippled the woman, but also gave her a very high social status and was much admired. After the revolution of 1911, this practice of foot binding was ended. The idea of what is considered the ideal of beauty for women varies across different cultural ideals and practices. The desire for skin-lightening is a common social practice among women of Asian, South-East Asian and African descent. Today the dominant beauty standard is deeply rooted in obtaining or possessing lighter skin within these societies.

SubQuestion No : 19

Q.19 Select the most appropriate heading for the passage from the given options.

Ans

✗ A. The patriarchal society

✗ B. Unfair practices in the World.

✗ C. Feminism

✓ D. Body Image

Question ID : **9277596769**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

There have been many ideas over time and across different cultures of what the feminine beauty ideal is for a woman's body image. How well a woman follows these beauty ideals can also influence her social status within her culture. Physically altering the body has been a custom in many areas of the world for a long time. In Burma, Padung girls from the age of about five years, have metal rings put around their necks. Additional rings are added to the girl's neck every two years. This practice is done to produce a giraffe-like effect in women. This practice is dying out, but these women would eventually carry up to 24 rings around their necks. A neck with many rings was considered the "ideal" image of physical beauty in this culture. In Europe, the corset has been used over time to create a tiny waistline. This was considered "ideal". A practice in China involved a girl's feet being bound at age six to create the "ideal" image of feet. The girl's feet were bound to become 1/3 the original size, which crippled the woman, but also gave her a very high social status and was much admired. After the revolution of 1911, this practice of foot binding was ended. The idea of what is considered the ideal of beauty for women varies across different cultural ideals and practices. The desire for skin-lightening is a common social practice among women of Asian, South-East Asian and African descent. Today the dominant beauty standard is deeply rooted in obtaining or possessing lighter skin within these societies.

SubQuestion No : 20

Q.20 Select the option that is similar in meaning to the underlined words '<u>Physically altering the body has been a custom</u>... ' from the given options?

Ans

✗ A. Perfect body image

✓ B. Changing the appearance.

✗ C. Plastic surgery

✗ D. Reducing waistline.

Question ID : **9277596771**

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Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।

आँखें पथरा जाना -

Ans

✗ A. गहरी नींद सोना

✗ B. बुरा लगना

✗ C. चोट लगना

✓ D. प्रतीक्षा करते-करते थक जाना

Question ID : **9277596787**

Q.2 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प हो।

Ans

✗ A. जयशंकर प्रसाद जी ने कहा, "जीवन विश्व की संपत्ति है"

✗ B. जयशंकर प्रसाद जी ने कहा, जीवन विश्व की संपत्ति है|

✗ C. जयशंकर प्रसाद जी ने कहा- जीवन विश्व की संपत्ति है|

✓ D. जयशंकर प्रसाद जी ने कहा, "जीवन विश्व की संपत्ति है|"

Question ID : **9277596785**

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Q.3 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के बहुवचन रूप का सबसे अच्छा विकल्प है।

तरबूजा

Ans
✗ A. तरबूज
✗ B. तरबूजा
✗ C. तरबुजे
✓ D. तरबूजों

Question ID : **9277596782**

Q.4 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के लिए सही द्विगु समास के विग्रह का विकल्प हो।

सप्ततंत्र

Ans
✗ A. सात तंत्र
✗ B. सप्त का तंत्र
✗ C. तंत्र का सप्त
✓ D. सात तंत्रों का समाहार

Question ID : **9277596775**

Q.5 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो कोष्ठक में दिए गए शब्द के अनुसार सर्वनाम के भेद का सही विकल्प है|

मैं (अपनी) गाड़ी से जाऊँगा।

Ans
✗ A. संबंधवाचक
✗ B. प्रश्नवाचक
✗ C. निश्चयवाचक
✓ D. निजवाचक

Question ID : **9277596783**

Q.6 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो उपसर्ग से बने शब्द का सही विकल्प नहीं हो।

Ans
✓ A. फलित
✗ B. नगण्य
✗ C. खुशदिल
✗ D. लापता

Question ID : **9277596776**

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Q.7 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के सही संधि-विच्छेद का विकल्प हो।

महैश्वर्य

Ans
- ✔ A. महा + ऐश्वर्य
- ✘ B. महा + ईश्वरी
- ✘ C. मह + ऐश्वर्य
- ✘ D. महै + श्वर्य

Question ID : **9277596774**

Q.8 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के पर्यायवाची शब्द का सही विकल्प नहीं है।

पत्ता

Ans
- ✘ A. किसलय
- ✔ B. पातक
- ✘ C. पत्र
- ✘ D. पर्ण

Question ID : **9277596778**

Q.9 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो स्त्रीलिंग रूप वाला विकल्प है।

Ans
- ✔ A. कमर
- ✘ B. होठ
- ✘ C. चीन
- ✘ D. बुधवार

Question ID : **9277596781**

Q.10 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो वाक्यांशों के लिए एक शब्द का विकल्प हो।

आदि से अंत तक

Ans
- ✘ A. अग्रसोची
- ✘ B. आलोच्य
- ✘ C. आढ़तिया
- ✔ D. आद्योपान्त

Question ID : **9277596780**

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Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द-युग्म के सही अर्थ वाला विकल्प हो।

शकट-शकठ

Ans
- ✗ A. चितकबरा-मचान
- ✗ B. आलावा-बैलगाड़ी
- ✗ C. बलवान-बैलगाड़ी
- ✓ D. बैलगाड़ी-मचान

Question ID : **9277596777**

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विलोम शब्द का सबसे अच्छा विकल्प है।

अनभिज्ञ

Ans
- ✗ A. अमि
- ✗ B. कुभिग्य
- ✗ C. नित्य
- ✓ D. अभिज्ञ

Question ID : **9277596779**

Q.13 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए लोकोक्ति का सही अर्थ वाला विकल्प है।

उल्टे बाँस बरेली को -

Ans
- ✗ A. बेमेल मिश्रण
- ✓ B. विपरीत कार्य या आचरण करना
- ✗ C. किसी से कोई मतलब न रखना
- ✗ D. किसी लाभ की आशा न होना

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Question ID : **9277596786**

Q.14 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो सही वाक्य भेद का विकल्प हो।

मेरी पुस्तक खो गई थी, लेकिन अब मिल गई है।

Ans
- ✓ A. संयुक्त वाक्य
- ✗ B. मिश्र वाक्य
- ✗ C. सरल वाक्य
- ✗ D. आज्ञावाचक

Question ID : **9277596784**

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Q.15 **निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।**

अपना उल्लू सीधा करना -

Ans
✗ A. बहुत प्रसन्न होना
✗ B. अपना ही नुकसान करना
✓ C. अपना स्वार्थ सिद्ध करना
✗ D. बहुत ऊंचा होना

Question ID : **9277596788**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं।

इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
स्वस्थ शरीर में स्वस्थ मस्तिष्क का वास होता है। इसके लिए मनुष्य को मानसिक रूप से और शारीरिक रूप से दोनों ही प्रकार से स्वस्थ होना चाहिए। स्वस्थ मानसिकता ही स्वच्छ समाज को जन्म देती है। मनुष्य की शुद्ध सोच नई खोजों को जन्म देती है। इसका असर केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है और इसके लिए मनुष्य को पूर्णतया अपनी विचारधारा को विकसित करना होगा। जाहिर है कि एक पूर्ण रुप से स्वस्थ व्यक्ति ही अपने जीवन के लक्ष्यों को हासिल कर सकता है और अपने परिवार एवं आसपास के वातावरण को आनंदित कर सकता है। पुरानी परंपराएँ एवं रूढ़ियों का त्याग करके नई विकास पद्धति को जन्म देना होगा।

SubQuestion No : 16

Q.16 **इस अनुच्छेद का कोई उपयुक्त शीर्षक-**

Ans
✓ A. स्वस्थ मानसिकता
✗ B. मानसिक मनुष्य
✗ C. व्यक्ति पर प्रभाव
✗ D. विचारधारा

Question ID : **9277596794**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं।

इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
स्वस्थ शरीर में स्वस्थ मस्तिष्क का वास होता है। इसके लिए मनुष्य को मानसिक रूप से और शारीरिक रूप से दोनों ही प्रकार से स्वस्थ होना चाहिए। स्वस्थ मानसिकता ही स्वच्छ समाज को जन्म देती है। मनुष्य की शुद्ध सोच नई खोजों को जन्म देती है। इसका असर केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है और इसके लिए मनुष्य को पूर्णतया अपनी विचारधारा को विकसित करना होगा। जाहिर है कि एक पूर्ण रुप से स्वस्थ व्यक्ति ही अपने जीवन के लक्ष्यों को हासिल कर सकता है और अपने परिवार एवं आसपास के वातावरण को आनंदित कर सकता है। पुरानी परंपराएँ एवं रूढ़ियों का त्याग करके नई विकास पद्धति को जन्म देना होगा।

SubQuestion No : 17

Q.17 **अनुच्छेद के अनुसार कौन अपने जीवन के लक्ष्यों को पूर्ण रूप से हासिल कर सकता है?**

Ans
✗ A. अस्वस्थ व्यक्ति
✗ B. ख़राब मानसिकता का व्यक्ति
✓ C. स्वस्थ व्यक्ति
✗ D. पुरानी रुढियों को मानने वाला

Question ID : **9277596792**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं।

इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
स्वस्थ शरीर में स्वस्थ मस्तिष्क का वास होता है। इसके लिए मनुष्य को मानसिक रूप से और शारीरिक रूप से दोनों ही प्रकार से स्वस्थ होना चाहिए। स्वस्थ मानसिकता ही स्वच्छ समाज को जन्म देती है। मनुष्य की शुद्ध सोच नई खोजों को जन्म देती है। इसका असर केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है और इसके लिए मनुष्य को पूर्णतया अपनी विचारधारा को विकसित करना होगा। जाहिर है कि एक पूर्ण रुप से स्वस्थ व्यक्ति ही अपने जीवन के लक्ष्यों को हासिल कर सकता है और अपने परिवार एवं आसपास के वातावरण को आनंदित कर सकता है। पुरानी परंपराएँ एवं रूढ़ियों का त्याग करके नई विकास पद्धति को जन्म देना होगा।

SubQuestion No : 18

Q.18 किसका प्रभाव केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है?

Ans

✗ A. मानसिक और शारीरिक दिखावा

✓ B. शुद्ध सोच

✗ C. स्वच्छ समाज

✗ D. आसपास के लोग

Question ID : **9277596791**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं।

इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
स्वस्थ शरीर में स्वस्थ मस्तिष्क का वास होता है। इसके लिए मनुष्य को मानसिक रूप से और शारीरिक रूप से दोनों ही प्रकार से स्वस्थ होना चाहिए। स्वस्थ मानसिकता ही स्वच्छ समाज को जन्म देती है। मनुष्य की शुद्ध सोच नई खोजों को जन्म देती है। इसका असर केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है और इसके लिए मनुष्य को पूर्णतया अपनी विचारधारा को विकसित करना होगा। जाहिर है कि एक पूर्ण रुप से स्वस्थ व्यक्ति ही अपने जीवन के लक्ष्यों को हासिल कर सकता है और अपने परिवार एवं आसपास के वातावरण को आनंदित कर सकता है। पुरानी परंपराएँ एवं रूढ़ियों का त्याग करके नई विकास पद्धति को जन्म देना होगा।

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SubQuestion No : 19

Q.19 स्वस्थ मस्तिष्क के लिए क्या होना आवश्यक है ?

Ans

✓ A. स्वस्थ शरीर

✗ B. स्वस्थ पर्यावरण

✗ C. स्वस्थ लोग

✗ D. स्वस्थ भोजन

Question ID : **9277596790**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं।

इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
स्वस्थ शरीर में स्वस्थ मस्तिष्क का वास होता है। इसके लिए मनुष्य को मानसिक रूप से और शारीरिक रूप से दोनों ही प्रकार से स्वस्थ होना चाहिए। स्वस्थ मानसिकता ही स्वच्छ समाज को जन्म देती है। मनुष्य की शुद्ध सोच नई खोजों को जन्म देती है। इसका असर केवल व्यक्ति विशेष पर ही नहीं वरन समाज, देश, जाति, सब पर समान रूप से पड़ता है और इसके लिए मनुष्य को पूर्णतया अपनी विचारधारा को विकसित करना होगा। जाहिर है कि एक पूर्ण रुप से स्वस्थ व्यक्ति ही अपने जीवन के लक्ष्यों को हासिल कर सकता है और अपने परिवार एवं आसपास के वातावरण को आनंदित कर सकता है। पुरानी परंपराएँ एवं रूढ़ियों का त्याग करके नई विकास पद्धति को जन्म देना होगा।

SubQuestion No : 20

Q.20 इनमें से कौन-सा स्वस्थ का विलोम शब्द है?

Ans
- ✗ A. तंदुरुस्त
- ✗ B. चंगा
- ✗ C. सलामत
- ✓ D. रुग्ण

Question ID : **9277596793**

Section : **Discipline1**

Q.1 Let A = {1, 2, 3, 4, 5}, and let R = {(1, 1),(1, 3),(1, 4),(2, 2),(2, 5),(3, 1),(3, 3),(3, 4),(4, 1),(4, 3), (4, 4),(5, 2),(5, 5), (5,1) (1,5)} be an equivalence relation on A. Which of the following is an equivalence class?

Ans
- ✓ A. {1, 3, 4}
- ✗ B. {1, 2, 3, 4, 5}
- ✗ C. {1, 2, 3}
- ✗ D. {2, 3 , 5}

Question ID : **9277596806**

Q.2 If n and m are natural numbers then the equation. (Z∈C) $Z^n = 1 + i$, $Z^m = 2 - i$

Ans
- ✗ A. Have more than two common solution
- ✗ B. Have two common solution
- ✗ C. Have one common solution
- ✓ D. Have no common solution

Question ID : **9277596803**

Q.3 Z = (5 + 2i)n + (5 - 2i)n, n ∈ N then which of the following option is correct.

Ans
- ✗ A. Z is Purely imaginary
- ✗ B. Z is Real for odd n
- ✗ C. Z is Real for even n
- ✓ D. Z is Real for all Naturals

Question ID : **9277596804**

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Q.4 Number of zeros in 100! is:

Ans
- ✗ A. 100
- ✗ B. 25
- ✗ C. 1000
- ✓ D. 24

Question ID : **9277596808**

Q.5 Revolve a piece of the straight line y = 2x around the x - axis then surface area generated by revolving the curve between x = 0 and x = 1 is

Ans
- ✗ A. $3\pi\sqrt{5}$
- ✗ B. $\pi\sqrt{5}$
- ✗ C. $4\pi\sqrt{5}$
- ✓ D. $2\pi\sqrt{5}$

Question ID : **9277596799**

Q.6 If each Row sum of A is α then each row sum of A^k is ;

Ans
- ✓ A. α^k
- ✗ B. α+k
- ✗ C. α-k
- ✗ D. α.k

Question ID : **9277596810**

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Q.7 If A is nXn is involutory matrix, then product of all eigen value is:

Ans
- ✗ A. other than -1 or +1
- ✗ B. zero for all n
- ✗ C. -n or n
- ✓ D. -1 or 1 for every n

Question ID : **9277596811**

Q.8 The series ∑ Cos (1/n) is:

Ans
- ✗ A. Cauchy
- ✗ B. Conditionally convergent
- ✓ C. Divergent
- ✗ D. Convergent

Question ID : **9277596800**

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Q.9 Find the work done in moving a particle once round a circle C in the XY plane, if the circle has its centre at the origin and radius 2 units and the force field is given as F =(2x-y+2z)i+ (x+y-z)j + (3x-2y-5z)k .

Ans
- ✗ A. 16π
- ✗ B. 4π
- ✗ C. 2π
- ✓ D. 8π

Question ID : **9277596802**

Q.10 Graph of given equation $y = (x-1)^2 (x-2)$ is decreases where

Ans
- ✗ A. 0< x <1
- ✗ B. x < 0
- ✗ C. x > 5/3
- ✓ D. 1 < x < 5/3

Question ID : **9277596795**

Q.11 Graph of the curve $y = 3x^2 - 2x^3$ is concave down when

Ans
- ✗ A. x < ¼
- ✗ B. x < ½
- ✓ C. x > ½
- ✗ D. x < ⅓

Question ID : **9277596796**

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Q.12 "The intersection of two equivalence relations on a non-empty set A is an equivalence relation" the given statement is:

Ans
- ✗ A. Always false
- ✗ B. True only for some set
- ✗ C. Not true for some set
- ✓ D. Always True

Question ID : **9277596805**

Q.13 If ϕ(n) is Eular's phi function then which of the following option is correct;

Ans
- ✗ A. ϕ(n) is odd n>2
- ✗ B. ϕ(n) is even for all n
- ✓ C. ϕ(n) is even n>2
- ✗ D. ϕ(n) is odd for all n

Question ID : **9277596807**

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Q.14 If f(-x) = f(x) for all x in the domain , then f(x) is _____ , even and symmetric about the y axis -

Ans

✗ A. irrational

✗ B. rational

✓ C. even

✗ D. odd

Question ID : **9277596798**

Q.15 Choose the correct option for system of equation.

$X_2 + 5x_3 = -4, 2x_1 + 4x_2 + 3x_3 = -2, 4x_1 + 7x_2 + x_3 = -2$

Ans

✗ A. Finite no. of solution

✗ B. Unique solution

✗ C. Consistent and infinite solution

✓ D. Inconsistent

Question ID : **9277596812**

Q.16 Let 'A' be cantor set then Which of the following statement is false

Ans

✗ A. It is closed and bounded

✗ B. perfect

✓ C. countable

✗ D. measure is zero

Question ID : **9277596813**

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Q.17 Let S be any set then Derived set of S is

Ans

✗ A. Always Uncountable

✗ B. Always open

✓ C. Always closed

✗ D. Always Infinite

Question ID : **9277596814**

Q.18 The value of 'a' for which given vector f = (x + 2y) i +(y - 3x)j + (x +az) k is solenoidal.

Ans

✗ A. a = 2

✗ B. a = 3

✓ C. a = -2

✗ D. a = -3

Question ID : **9277596801**

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Q.19 **A prime p can be written as the sum of two squares if**

Ans

✗ A. p = 3 or p ≡ 1 (mod 4)

✗ B. p = 4 or p ≡ 1 (mod 4)

✗ C. p = 1 or p ≡ 2 (mod 4)

✓ D. p = 2 or p ≡ 1 (mod 4)

Question ID : **9277596809**

Q.20 **The graph of the equation r=sin 3 θ is**

Ans

✗ A. Four leaved Rose

✗ B. Cardioid

✗ C. Spiral

✓ D. Three leaved Rose

Question ID : **9277596797**

Section : **Discipline2**

Q.1 **Consider the first-order autonomous differential equation y' = (y − 1)^2 then choose correct answer**

Ans

✗ A. y=0 is a critical point

✗ B. y=1 is not a critical point

✗ C. y=1 is not semi stable critical point

✓ D. y=1 is the only critical point

Question ID : **9277596822**

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Q.2 **The value(s) of the constant A for which y = exp(Ax) is a solution to the differential equation y" + 5y'− 6y = 0.**

Ans

✗ A. A=-5 and A=1

✓ B. A=-6 and A=1

✗ C. A=5 and A=1

✗ D. A= 6 and A=1

Question ID : **9277596819**

Q.3 **If f & g are real valued function and both are continuous at k then which of the following statement is false**

Ans

✗ A. max{f, g} is also continuous at k

✗ B. |f| is continuous at k

✓ C. max{f, g} is not continuous at k

✗ D. min{f, g} is continuous at k

Question ID : **9277596830**

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Q.4 Let f and g be defined on (0, ∞) and suppose lim f = L and lim g = ∞ as x → ∞ . Then lim fog as x → ∞ is

Ans

✗ A. 0

✗ B. ¥

✓ C. L

✗ D. Does not exist

Question ID : **9277596828**

Q.5 The growth of a particular species of algae A, in time t is assumed to be jointly proportional to both √A and 10 - A . What is the implied differential equation for A.

Ans

✗ A. dA / dt = K √A

✗ B. dA / dt = 0

✓ C. dA / dt = K √A (10 - A)

✗ D. dy(t)/ dt = −α(y(t) − K).

Question ID : **9277596825**

Q.6 Integrating factor of differential equation y'+(2/t)y= t-1 is

Ans

✗ A. t^3

✗ B. t^-2

✗ C. 1/t

✓ D. t^2

Question ID : **9277596827**

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Q.7 Let [x] denotes the greatest integer less than or equal to x. If f(x) = [xsinπx], then which is false for f(x)

Ans

✗ A. differentiable in (-1, 1)

✗ B. continuous in (-1, 0)

✗ C. continuous at x=0

✓ D. differentiable at x=1

Question ID : **9277596832**

Q.8 Arbitrary intersection of open set is:

Ans

✗ A. Always non-Empty

✗ B. Always open

✓ C. may not be open

✗ D. Always closed

Question ID : **9277596815**

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Q.9 The differential equation $d^2y/dx^2 + y = 0$ satisfying $y(0) = 1, y(\pi) = 1$ has

Ans

✗ A. A singly infinite family of solutions

✓ B. No solution

✗ C. A doubly infinite family of solution.

✗ D. A unique solution

Question ID : **9277596823**

Q.10 If $f(x) = 1-x^2/2$ and $g(x) = \cos x$ for all $x \in R$ then which is true -

Ans

✗ A. $f(x) \leq g(x)$ only finite number of x.

✗ B. $f(x) < g(x)$

✗ C. $f(x) \geq g(x)$ for all x.

✓ D. $f(x) \leq g(x)$ for all x.

Question ID : **9277596833**

Q.11 Consider the differential equation $dP/dt = kP(1 - P/5)$. Then which of the following is true

Ans

✗ A. P = 1 is critical point

✓ B. critical point P = 0 is unstable,

✗ C. critical point P = 5 is unstable,

✗ D. critical point P = 0 is stable,

Question ID : **9277596821**

Q.12 Let Y_1 & Y_2 are two solutions of second order non-homogeneous equation s.t $Y_1(0)=0$, $Y'_1(0) =1$ and $Y_2(0)=1$, $Y'_2(0) = -1$, if $Y_2(x)$ is non-zero for all x and $h(x)= Y_1(x)/Y_2(x)$, then h(x) is

Ans

✗ A. Decreasing for all x in domain

✗ B. Neither increasing nor decreasing

✗ C. Decreasing for some x.

✓ D. Increasing for all x in domain

Question ID : **9277596824**

Q.13 If $f(x)= [x]$, then Which of the following statement is false at point x=0

Ans

✗ A. Right hand limit is 0

✓ B. limit exist at x=0

✗ C. left hand limit is -1

✗ D. limit does not exist

Question ID : **9277596829**

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Q.14 **The formula for exponential population growth is; (where dN= change in number, dt = change in time, r= the per head maximum potential growth rate, N= number of individuals in a population.)**

Ans

✔ A. dN/dt=rN

✘ B. dt/dN=rN

✘ C. dN/rN=dt

✘ D. rN/dN=dt

Question ID : **9277596820**

Q.15 Graph of the curve $y = |x + 3|\,(x + 1)$ is increasing when:

Ans

✘ A. -3 < x < - 2

✘ B. x<-3 or x>-5/2

✘ C. x>-3 or x<-y

✔ D. x<-3 or x>-2

Question ID : **9277596834**

Q.16 **consider the differential equation y'(t)/{ y(1 − y/K)} = r then choose correct answer**

Ans

✔ A. y=K as r→∞

✘ B. y=K as r→2

✘ C. y=K as r→0

✘ D. y=K as r→1

Question ID : **9277596826**

Q.17 **A sequence is a convergent sequence if and only if it is a -**

Ans

✔ A. Cauchy sequence

✘ B. subsequence

✘ C. non - decreasing sequence

✘ D. bounded sequence

Question ID : **9277596817**

Q.18 **If f(x)=x+[x] then which of the following is true**

Ans

✔ A. not continuous at x=0

✘ B. continuous but not differentiable at x=0

✘ C. differentiable at any point

✘ D. differentiable at x=0

Question ID : **9277596831**

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Q.19 If $(a_n) = \langle(-1)^n n\rangle$ is sequence of Real number then which of the following option is correct?

Ans
- ✗ A. (an) monotonically decreasing
- ✗ B. (an) monotonically increasing
- ✗ C. (an) bounded
- ✓ D. (an) Oscillatory

Question ID : **9277596816**

Q.20 Which of the following is spread disease model in a population of L individuals. Where y = y(t) is the number of individuals who have the disease at time t,

Ans
- ✗ A. dt/dy = ky(L − y)
- ✓ B. dy/dt = ky(L − y)
- ✗ C. dy/dt = ky(L +y)
- ✗ D. dy/dt = ky(L/y)

Question ID : **9277596818**

Section : **Discipline3**

Q.1 Given set X and a function d: X × X → R we say that the pair M = (x , d) is a -

Ans
- ✓ A. metric space
- ✗ B. Euclidean distance
- ✗ C. vector space
- ✗ D. a set

Question ID : **9277596853**

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Q.2 What conditions are necessary to prove that the upper and lower integrals of a bounded function exist?

Ans
- ✗ A. a, b ϵ R, a>b, and f:[a,b] → R
- ✓ B. a, b ϵ R, a<b, and f:[a,b] → R be bounded
- ✗ C. a, b ϵ R, a<b, and f:[a,b] → Z be bounded
- ✗ D. a, b ϵ Z, a<b, and f:[a,b] → R be bounded

Question ID : **9277596848**

Q.3 Compute ∫F.ds, where C is the curve in which the cone $z^2=x^2+y^2$ intersects the plane z=1. (Oriented counter clockwise viewed from positive z-axis).

Ans
- ✗ A. π
- ✗ B. π/8
- ✗ C. π/4
- ✓ D. π/2

Question ID : **9277596844**

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Q.4 Let A be the area bounded by x+y < 1 in first quadrant then value of ∫∫xy dx dy is -

Ans

✔ A. 1/24

✘ B. 1/48

✘ C. 1/96

✘ D. 5/24

Question ID : **9277596840**

Q.5 f is integrable on[a,b] ↔ε for every ε >0 there exists a partition p such that

Ans

✔ A. U (p,f)-L(p,f) <ε

✘ B. L(p,f) < ε

✘ C. U(p,f) = ε

✘ D. U (p,f) > ε

Question ID : **9277596847**

Q.6 If $d(x, y) = (x - y)^2$ then which of the following is true:

Ans

✘ A. 'd' does not satisfy symmetric properly.

✘ B. 'd' is metric on R.

✘ C. d' satisfies triangle inequality.

✔ D. 'd' is not metric on R.

Question ID : **9277596852**

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Q.7 If f(x, y) = (y-2)x² -y² then f(x, y) at point (0, 0) is -

Ans

✘ A. Relative Minimum

✘ B. Neither maximum nor minimum

✔ C. Relative maximum

✘ D. None of these above

Question ID : **9277596838**

Q.8 Consider the power series Σ $(x + 2)^n/\sqrt{n}$ then which of the following is true for series.

Ans

✔ A. Converges for -3<x < -1

✘ B. Power series converges for x = -1

✘ C. Converges for x > 1

✘ D. Converges for -1 < x < 1

Question ID : **9277596850**

Q.9 If f : D → R then choose correct option -

Ans

✘ A. If f(x)is continuous and f(y) exist at (a, b) then f may not be differentiable at (a, b)

✘ B. If either of f is not differentiable at (a, b) then f(x), f(y) can be continuous at (a, b)

✘ C. If either of f(x), f(y) does not exist at (a, b) then f may be differentiable at (a, b)

✔ D. If either of f(x), f(y) does not exist at (a, b) then f is not differentiable at (a, b)

Question ID : **9277596837**

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Q.10 Let C be a positively oriented , piecewise smooth, simple closed curve and let D be the region enclosed by the curve. If P and Q have continuous first order partial derivatives on D then,
∫c(Pdx+Qdy) =

Ans
- ✔ A. ∬D (dQ/dx -dP/dy) dA
- ✘ B. ∫(dQ/dx)dA
- ✘ C. ∬(dy/dp)dA
- ✘ D. ∫D (dQ/dx -dP/dy) dA

Question ID : **9277596842**

Q.11 Evaluate $\oint_c y^3dx - x^3dy$ where c is positively oriented circle of radius 2 centered at origin.

Ans
- ✘ A. 24∏
- ✘ B. 4∏
- ✔ C. (-24∏)
- ✘ D. (-4∏)

Question ID : **9277596843**

Q.12 If $f(x, y) = 4+x^3+y^3-3xy$ then choose correct answer

Ans
- ✘ A. Relative maximum at (1,1)
- ✔ B. Relative minimum at (1,1)
- ✘ C. Relative minimum at (-1,-1)
- ✘ D. Relative minimum at (0,0)

Question ID : **9277596839**

Q.13 Coefficient of x^5 in Taylor series expansion of f(x) = e^x ln (1+x) is

Ans
- ✘ A. 1/40
- ✘ B. 3/20
- ✘ C. 1/3
- ✔ D. 3/40

Question ID : **9277596835**

Q.14 If f is continuous on [a,b] , then f is :-

Ans
- ✔ A. integrable
- ✘ B. decreasing
- ✘ C. differentiable
- ✘ D. increasing

Question ID : **9277596851**

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Q.15 if a(r) is a vector field and we want to compute the total flux of the field across the surface that bounds a volume Then ∫s a.ds =

Ans
- ✗ A. ∫div a.dv
- ✗ B. div a= -1
- ✓ C. ∫v div a.dv
- ✗ D. div a =0

Question ID : **9277596845**

Q.16 If f: [a,b] → R, is continuous then which of the following is correct;

Ans
- ✗ A. f is integrable on R
- ✗ B. f is integrable on R-[a,b]
- ✓ C. f must be integrable on [a,b]
- ✗ D. f is need not integrable on [a,b]

Question ID : **9277596846**

Q.17 Given set U ∈ {(x, y) ∈R^2: y > 0, x/y >7} is -

Ans
- ✗ A. Compact
- ✗ B. Close
- ✓ C. Open
- ✗ D. Semi open

Question ID : **9277596854**

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Q.18 Let m and n be positive integer then the lim $x^n y^m$ / x^2+ y^2 at (0, 0) exist if

Ans
- ✗ A. 2 >m + n > 1
- ✓ B. m + n > 2
- ✗ C. m + n < -2
- ✗ D. m + n < 2

Question ID : **9277596836**

Q.19 Let V be the region bounded by the planes x = 0, x = 2, y = 0, z = 0 and y + z = 1, then the value of Integral ∭y dx dy dz is -

Ans
- ✗ A. 1/2
- ✗ B. 4/3
- ✗ C. 1
- ✓ D. 1/3

Question ID : **9277596841**

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Q.20 A sequence of real numbers is a real-valued function defined on the set of:-

Ans

✔ A. natural number i.e.,f:N → R

✘ B. irrational number

✘ C. rational number

✘ D. whole number

Question ID : **9277596849**

Section : **Discipline4**

Q.1 How many subgroups of the permutation group S4 have of order 3?

Ans

✘ A. 8

✘ B. Can not say

✔ C. 4

✘ D. 0

Question ID : **9277596867**

Q.2 Which of the following is compact in R

Ans

✘ A. {1/n: n is natural number}

✘ B. [0, 2)

✔ C. [0, 2]

✘ D. {n: n is natural number}

Question ID : **9277596860**

Q.3 How many 3-Sylow Subgroup are there in the group of order 15?

Ans

✔ A. 1

✘ B. 5

✘ C. 3

✘ D. 0

Question ID : **9277596870**

Q.4 Let (x, dx) and (y dy) be two metric spaces and f : x → Y then f is continuous if

Ans

✘ A. For any set A Í Y we have f-1 (A) Í X is open.

✘ B. For any open set A Í Y we have f-1 (A) Í X is closed.

✔ C. For any open set A Í Y we have f-1 (A) Í X is also open.

✘ D. For any closed set A Í Y we have f-1 (A) Í X is open.

Question ID : **9277596859**

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Q.5 **Polar form of Cauchy - Riemann Integral is -**

Ans

✗ A. $U_r = -V_\theta/r$ & $V_r = -U_\theta/r$

✗ B. $U_r = V_\theta/r$ & $V_r = -U_\theta/r$

✓ C. $V_\theta = -U_r/r$ & $U_\theta = V_r/r$

✗ D. $U_r = -V_\theta/r$ & $V_r = -U_\theta/r$

Question ID : **9277596873**

Q.6 **Which of the following is necessarily true?**

Ans

✗ A. Automorphism group of Z is not abelian.

✗ B. Automorphism group of a abelian group is abelian.

✗ C. Automorphism group of S3 has order 3.

✓ D. Automorphism group of Z is abelian.

Question ID : **9277596862**

Q.7 **Which of the following is not true?**

Ans

✗ A. U(8) is isomorphic to U(12)

✓ B. U(8) is isomorphic to U(10)

✗ C. U(8) is noisomorphic to U(10)

✗ D. S4 is not isomorphic to D12

Question ID : **9277596863**

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Q.8 **The product of an even permutation and an odd permutation is**

Ans

✓ A. Odd

✗ B. zero

✗ C. Even

✗ D. not define

Question ID : **9277596868**

Q.9 **Let (A, ρ) and (B, τ) be metric spaces, and suppose that f : A → B be a continuous function from A to B. If A is connected, then**

Ans

✗ A. Image f(A) may not be connected.

✓ B. Image f(A) is also connected.

✗ C. connected only if B is connected

✗ D. connected only if A is natural number

Question ID : **9277596861**

Q.10 **The rank of an integral - elementary function f is:-**

Ans

✗ A. continuous function

✓ B. the depth of the formula defining f.

✗ C. real analytic function

✗ D. Integral elementary function

Question ID : **9277596874**

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Q.11 If external direct product of two groups A & B is abelian then

Ans

✔ A. A and B both are abelian

✘ B. only B is abelian

✘ C. A and B both are not abelian

✘ D. only A is abelian

Question ID : **9277596866**

Q.12 Set $\{(x, y) \in R^2 : (y/\text{Sin}(x^2y^3))>2\}$ is -

Ans

✘ A. Close

✘ B. Cl-Open

✘ C. Compact

✔ D. Open

Question ID : **9277596855**

Q.13 A function f:A $\rightarrow$R is continuous on a set B$\subset$ A if:

Ans

✘ A. discontinuous at every point of its domain A.

✘ B. discontinuous in B

✔ C. if it is continuous at every point in B

✘ D. discontinuous in both A and B

Question ID : **9277596857**

Q.14 Which of the following is not true?

Ans

✘ A. {R\{0}, × } is a group.

✔ B. {Z\{0}, × } is a group.

✘ C. {Q\{0}, × } is a group.

✘ D. {C\{0}, × } is a group.

Question ID : **9277596864**

Q.15 If f(z)= (x+2)+5yi then for any z, f(z) is

Ans

✘ A. none of the above

✘ B. Differentiable for all z

✘ C. Differentiable for some z

✔ D. Not-differentiable for any z

Question ID : **9277596872**

Q.16 What is the order of a 7-Sylow subgroup of GL3(Z7)?

Ans

✘ A. 49

✘ B. 7

✘ C. 1

✔ D. 343

Question ID : **9277596871**

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Q.17 $||d||_1$ and $||d||_2$ in C [0, 1] are two matric spaces then :

Ans
- ✗ A. Both are not topologically equivalent.
- ✗ B. Can not say
- ✓ C. Both are topologically equivalent.
- ✗ D. both are empty

Question ID : **9277596856**

Q.18 **If Bx(.) and By(.) denote open balls in space X and Y respectively, f is continuous at x if.**

Ans
- ✗ A. there exist ε> 0 : f[Bx(f(x) : d)]Í By[x, ε]
- ✗ B. there exist δ > 0 : f[Bx(f(x) : d)]Í By[x, ε]
- ✗ C. there exist ε > 0 : f[Bx(x : d)]Í By[f(x), ε]
- ✓ D. there exist δ > 0 : f[Bx(x : d)]Í By[f(x), ε]

Question ID : **9277596858**

Q.19 **The external direct product of additive group of integers Z with itself is?**

Ans
- ✓ A. not cyclic
- ✗ B. Can not say
- ✗ C. cyclic
- ✗ D. cyclic of finite order

Question ID : **9277596865**

Q.20 **Which of the following is true?**

Ans
- ✓ A. Group of order 31 is abelian.
- ✗ B. Every group of order 4 is cyclic.
- ✗ C. There does not exist a abelian group of order 2021.
- ✗ D. Every group of order 6 is abelian.

Question ID : **9277596869**

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Section : **Discipline5**

Q.1 **If p(z) is polynomial with real coefficient has zero α of order k then**

Ans
- ✗ A. ᾱ is zero of p(z) of order k-1
- ✓ B. ᾱ is zero of p(z) of order k
- ✗ C. ᾱ is zero of p(z) of order k+1
- ✗ D. ᾱ may not be zero of p(z)

Question ID : **9277596876**

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Q.2 If T be the linear operator on a finite dimensional on $P_2(R)$ defined by T(f(x))= f'(x). Let B be corresponding matrix of T then which is true about B

Ans

✗ A. Determinant of B is non zero

✗ B. Rank of B is 1

✓ C. trace of B is zero

✗ D. Rank of B is 3

Question ID : **9277596880**

Q.3 Any orthogonal set of non-zero vectors in an inner product space V is

Ans

✗ A. may or may not be linearly independent

✓ B. linearly independent

✗ C. linearly Dependent

✗ D. empty

Question ID : **9277596883**

Q.4 Which of the following is not P.I.D.?

Ans

✗ A. Z

✗ B. Q

✗ C. Z[i]

✓ D. Z6

Question ID : **9277596878**

Q.5 Which of the following is not U.F.D.?

Ans

✗ A. R

✗ B. Z[X]

✓ C. Z[√5]

✗ D. Z5

Question ID : **9277596879**

Q.6 If $f(z)= z^3\{\cos(1/z)\}$ then residue of f(z) is

Ans

✗ A. 1/12

✗ B. -1/12

✓ C. 1/24

✗ D. -1/24

Question ID : **9277596877**

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Q.7 Let T be the linear operator on $P_2(R)$ defined by $T(f(x)) = f(1)+f'(x)x+(f'(0)+f'''(0))x^2$ then which is true for T

Ans

✔ A. T is not Diagonalizable

✘ B. all eigenvalue of T are equal

✘ C. T is Diagonalizable

✘ D. eigenvalue of T is purely imaginary

Question ID : **9277596881**

Q.8 If A is an m×n matrix such that rank(A)= n, then which of the following is true

Ans

✘ A. A*A is invertible only if A is identity matrix

✘ B. A*A is not invertible

✘ C. if m>n then AA*is invertible

✔ D. A*A is invertible

Question ID : **9277596882**

Q.9 If A is normal matrix then what is true about A

Ans

✘ A. A is always real matrix

✔ B. A need not be Hermitian matrix

✘ C. A is Always skew Hermitian matrix

✘ D. A must be Hermitian matrix

Question ID : **9277596884**

Q.10 If all the zeros of a polynomial p(z) have negative real parts, then all the zeros of p'(z) must have

Ans

✘ A. Positive real part

✘ B. Real part is zero

✘ C. both positive and negative real part

✔ D. Negative real part

Question ID : **9277596875**

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Section : **Teaching Methodology**

Q.1 How will you describe an inclusive classroom?

Ans

✔ A. a general education classroom in which students with and without disabilities learn together

✘ B. a private school where students can learn

✘ C. a government school provide education In which students can learn separately

✘ D. a private education classes in which students with and without disabilities learn together

Question ID : **9277596894**

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Q.2 **The other name of error correction is ____.**

Ans

✗ A. Feedback

✗ B. Checking

✗ C. Clarification

✓ D. Rectification

Question ID : **9277596887**

Q.3 **Discussion method aims at____ .**

Ans

✗ A. Treatment of Wrong Answers

✗ B. Organizing and outlining

✓ C. Uniting and integrating the work

✗ D. Observation of Courtesy

Question ID : **9277596891**

Q.4 **The main objective of an assignment is to evaluate _____.**

Ans

✓ A. Knowledge of subject matter

✗ B. Reading ability

✗ C. Presentation skills of the students

✗ D. Interpersonal relationship

Question ID : **9277596893**

Q.5 **Social learning theory is one of the theories classified under socialisation theories. It is most closely associated with____.**

Ans

✗ A. behaviourist tradition

✓ B. the work of psychologist Albert Bandura

✗ C. terms of gender development

✗ D. negative reinforcement

Question ID : **9277596890**

Q.6 **What does John Dewey emphasize on?**

Ans

✗ A. That education should be professional

✗ B. That education should be variable

✗ C. That education should be friendly

✓ D. That education should be a social process

Question ID : **9277596885**

Q.7 **Symbolic interactionism (George Herbert Mead) is based specifically on _____.**

Ans

✗ A. Genders

✓ B. communication

✗ C. Society

✗ D. Children

Question ID : **9277596889**

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Q.8 **Which of this is not a role of teacher?**

Ans

✗ A. Teachers should lead a true moral life.

✗ B. The teacher must have pleasing personality, in depth knowledge and professional training .

✗ C. The teacher must be a person of high integrity and must possess high self worth.

✓ D. Teacher should enact as parent of students.

Question ID : **9277596892**

Q.9 **Find one of the groups of the Biglan-Becher typology of academic disciplines.**

Ans

✗ A. Pure and applied discipline

✓ B. Soft and Applied disciplines

✗ C. Hard and soft discipline

✗ D. Good and bad discipline

Question ID : **9277596888**

Q.10 **THE FOUR PILLARS OF EDUCATION FOR THE 21st CENTURY is _____.**

Ans

✗ A. Learning to go, Learning to work, Learning to write, Learning to read

✗ B. Learning for book, Learning to write , Learning to live and learning to do

✓ C. Learning to Know, Learning to do, Learning to Live and Learning to Be.

✗ D. Learning for learn, learning to be, Learning for teaching, Learning to do

Question ID : **9277596886**

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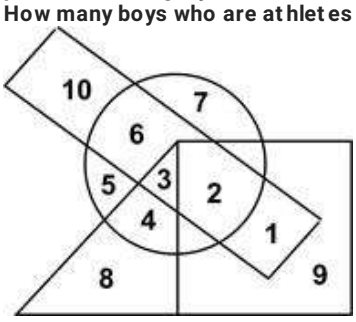
DSSSB TGT Maths (Female) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	13/09/2021
Test Time	8:30 AM - 10:30 AM
Subject	TGT Maths-(Female)

Section : **General Ability**

Q.1 **In the following Venn Diagram, the triangle represents 'girls', the circle represents 'athletes', the square represents 'disciplined' and the rectangle represents 'boys'. The number given in the diagram represents the member of persons of that particular category.**
How many boys who are athletes and disciplined?



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Ans
✔ A. 2
✘ B. 10
✘ C. 6
✘ D. 1

Question ID : **1034351029**

Q.2 **In a class, 5 boys are sitting in a row facing North. Dinesh is to the left of Anil and to the right of Chunky. Emily is sitting to the right of Bhuvan but to the left of Chunky. Who is sitting in the middle?**

Ans
✘ A. Dinesh
✘ B. Anil
✔ C. Chunky
✘ D. Emily

Question ID : **1034351024**

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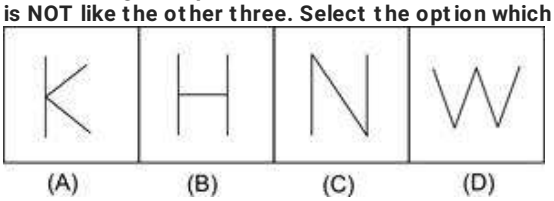
Q.3 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.



Ans
✗ A. Image B
✗ B. Image C
✗ C. Image A
✓ D. Image D

Question ID : **1034351027**

Q.4 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✗ A. 123 - 231
✗ B. 352 - 523
✗ C. 461 - 614
✓ D. 478 - 874

Question ID : **1034351013**

Q.5 For a job, a candidate must fulfil the following criteria:
I. The age should be from 23 to 27 as on 1st July 2021.
II. Must have secured at least 70% marks in graduation.
III. Must have done post-graduation with at least 65% marks.
IV. Must have an experience of at least 2 years.
V. Must have secured at least 70% in written test and 75% in interview.
In the case of candidate who fulfils all conditions except –
(a) At (II) above, but is a post graduate with at least 75% marks, his case to be referred to Manager.
(b) at (IV) above, but has secured at least 80% marks in interview and at least 80% marks in written test, his case to be referred to Assistant.
In question below, details of a candidate are provided followed by a question and 4 courses of action. Select the course of action that applies to the person's candidature.
Aman was born on 20 May 1995. He secured 75% marks in graduation. He secured 70% marks in post graduation. He also secured 75% marks in both written test and interview. He has an experience of 3 years.

Ans
✗ A. He will not be selected.
✗ B. He will be referred to Assistant.
✓ C. He will be selected.
✗ D. He will be referred to manager.

Question ID : **1034351019**

Q.6 Find the wrong term in the given series.
BM, EO, HQ, KT, NU

Ans
✓ A. KT
✗ B. NU
✗ C. EO
✗ D. HQ

Question ID : **1034351015**

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Q.7 Complete the following letter series:
LMA, OOZ, RQY, USX, ___

Ans
✗ A. XTW
✓ B. XUW
✗ C. YUW
✗ D. YTW

Question ID : **1034351014**

Q.8 Select the option that is related to the third term on the same basis as the second term is related to the first term.
M24 : F17 :: P36 : ?

Ans
✓ A. I29
✗ B. I28
✗ C. H29
✗ D. J29

Question ID : **1034351011**

Q.9 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✗ A. NRD
✗ B. NMI
✗ C. OJK
✓ D. PQR

Question ID : **1034351012**

Q.10 A, B, C and D are four friends. B is richer than A and C, but C is smarter than him. D is not as smart as C, while A is the least smart. C is not as rich as A. D is richer than B but not smarter than him. Who is the richest?

Ans
✗ A. C
✗ B. A
✗ C. B
✓ D. D

Question ID : **1034351017**

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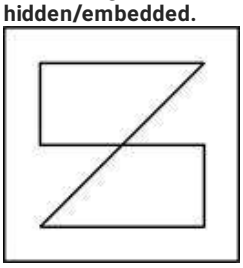
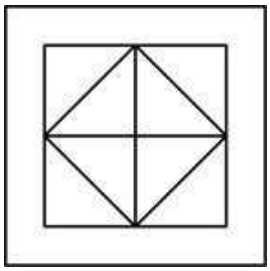
Q.11 From the given answer figures, select the one in which the question figure is hidden/embedded.

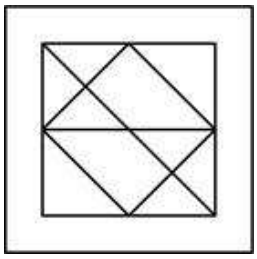


Ans

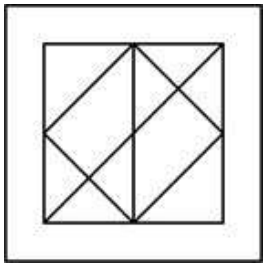
✗ A.



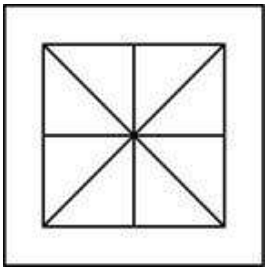
✗ B.



✗ C.



✓ D.



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Question ID : **1034351026**

Q.12 Speed of boat in still water is 24 kmph & speed of current is 4 kmph. The boat completes round trip from A to B in 6 hrs. Find the distance between A and B.

Ans

✗ A. 30 km

✓ B. 70 km

✗ C. 120 km

✗ D. 90 km

Question ID : **1034351025**

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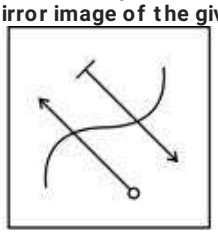
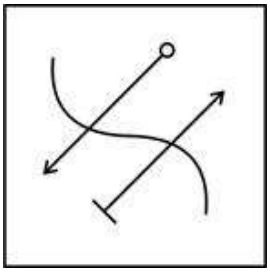
Q.13 If a mirror is placed on the line AB, then which of the answer figures is the correct mirror image of the given figure?



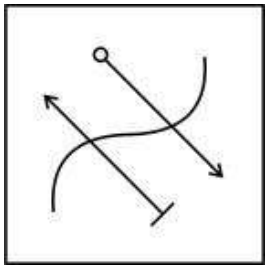
A B

Ans

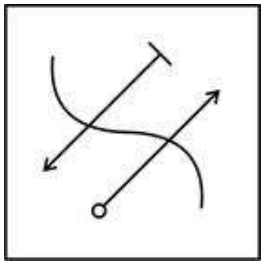
✔ A.



✘ B.



✘ C.



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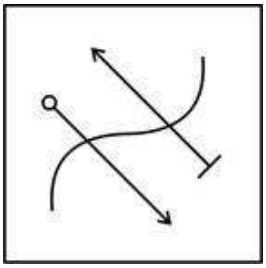

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Question ID : **1034351028**

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Q.14 In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statement:
$Q \leq R < S < T \leq W \leq Y$
Conclusions:
I. $T = Y$
II. $Y > T$

Ans
✗ A. Both conclusion I and II follow
✗ B. Only conclusion II follows
✓ C. Either conclusion I or II follow
✗ D. Only conclusion I follows

Question ID : **1034351016**

Q.15 Anita and Babita are the sisters. Mukesh and Nikita are couple. Nikita is the brother of Pradeep who is the son of Anita. Omkar is the daughter of Nikita. How is Anita related to Omkar?

Ans
✗ A. Paternal Grandfather
✗ B. Mother
✗ C. Sister
✓ D. Paternal Grandmother

Question ID : **1034351023**

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Q.16 The following questions is based on the five three-digit numbers given below.
287 395 678 453 145
If in each number three digits are arranged in descending order, which of the following will be the lowest?

Ans
✓ A. 145
✗ B. 678
✗ C. 287
✗ D. 395

Question ID : **1034351021**

Q.17 If each of the even digits in the number 7867469 is increased by '1' and each of the odd digits is decreased by '2', then which of the followings will be the sum of the digits of the number?

Ans
✗ A. 44
✗ B. 36
✗ C. 42
✓ D. 45

Question ID : **1034351022**

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Q.18 Following are the conditions for admitting students for a Programme in Management.
The applicant must –
(i) not be less than twenty one years as on 1.7.2021.
(ii) be a graduate in any discipline with at least 70% marks.
(iii) have passed the written test and interview with at least 70% marks.
(iv) have work experience of at least 6 months after completing graduation.
In the case of an applicant who fulfils all other conditions except:
(a) at (ii) above, but has a degree in commerce , his/her case is to be referred to Director.
(b) at (iii) above, but has work experience of more than 2 years, his/her case is to be referred to HOD.
Rajesh has been working for 3 years after completing graduation. He has a degree in commerce. He was born on 1-11-1998. He has secured 75% marks in the written test & interview and 65% marks in graduation.

Ans
✗ A. The Candidate is selected.
✓ B. The candidate is to be referred to Director.
✗ C. The Candidate is not selected.
✗ D. The candidate is to be referred to HOD.

Question ID : **1034351018**

Q.19 Find the missing number in the given series:
32, 33, 25, 52, -12, _

Ans
✗ A. 111
✗ B. 109
✓ C. 113
✗ D. 112

Question ID : **1034351020**

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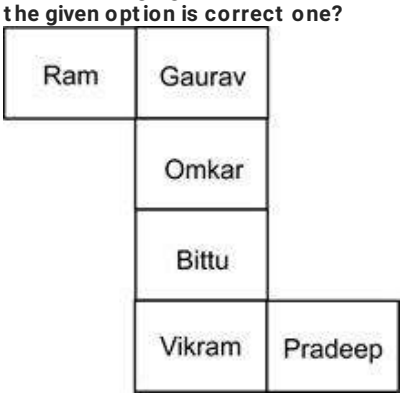
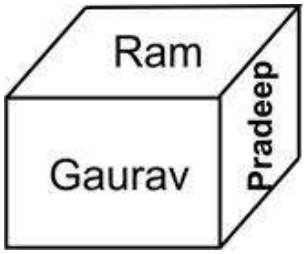
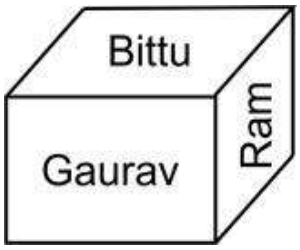
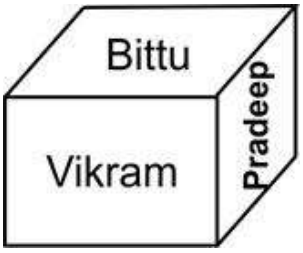
Q.20 The following figure is folded to form a cube. Which representation of the cube in the given option is correct one?

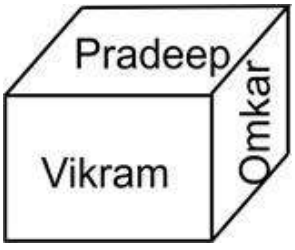


Ans

A.


B.


C.


D.


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Question ID : **1034351030**

Section : **General Awareness**

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Q.1 Who is the author of the book "Stories I Must Tell"?

Ans
- ✗ A. John Keats
- ✗ B. Pooja Bedi
- ✗ C. Nani Palkhivala
- ✓ D. Kabir Bedi

Question ID : **1034351050**

Q.2 The Kandariya Mahadeva Temple is situated in which state?

Ans
- ✗ A. Gujrat
- ✗ B. Kerala
- ✗ C. Uttar Pradesh
- ✓ D. Madhya Pradesh

Question ID : **1034351039**

Q.3 On which date the Indian Constitution was adopted by the Government of India?

Ans
- ✗ A. 1st March 1950
- ✗ B. 26th January 1950
- ✗ C. 15th August 1947
- ✓ D. 26th November 1949

Question ID : **1034351036**

Q.4 Jammu Kashmir is famous for its special garden, which garden is this from following options?

Ans
- ✗ A. Indira Gandhi Memorial Lotus Garden
- ✗ B. Indira Gandhi Memorial Lily Garden
- ✓ C. Indira Gandhi Memorial Tulip Garden
- ✗ D. Indira Gandhi Memorial Rose Garden

Question ID : **1034351042**

Q.5 Recently, which new scheme was launched by the Supreme Court?

Ans
- ✗ A. HUMAN
- ✓ B. FASTER
- ✗ C. FORMER
- ✗ D. HIGHER

Question ID : **1034351032**

Q.6 How many Veto Powers does the President of India have?

Ans
- ✗ A. Two
- ✗ B. Five
- ✓ C. Three
- ✗ D. One

Question ID : **1034351035**

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Q.7 One revolution of the earth around the sun takes approximately _____.

Ans
- ✗ A. 366 days and 6 hours or one year
- ✓ B. 365 days and 6 hours or one year
- ✗ C. 265 days and 6 hours
- ✗ D. 367 days and 6 hours or one year

Question ID : **1034351044**

Q.8 The only foreigner to receive Padma Vibhushan in 2021 is _____.

Ans
- ✓ A. Shinzo Abe
- ✗ B. George Fernandes
- ✗ C. Syed Muazzem Ali
- ✗ D. Jigme Dorji Wangchuck

Question ID : **1034351049**

Q.9 Total how many countries are the members of The South Asian Association for Regional Cooperation (SAARC)?

Ans
- ✗ A. Seven
- ✗ B. Ten
- ✓ C. Eight
- ✗ D. Six

Question ID : **1034351048**

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Q.10 IQ stands for _____ and, it is a measure of a person's reasoning ability.

Ans
- ✗ A. Intelligence Quality
- ✗ B. Intelligence Question
- ✓ C. Intelligence Quotient
- ✗ D. Interesting Quotient

Question ID : **1034351045**

Q.11 What does the symbol of the Horse signify in context with Buddha's life?

Ans
- ✗ A. Death (Parinirvana)
- ✗ B. First Sermon (Dhammachakraparivartan)
- ✓ C. The Great Departure (Mahabhinishkramana)
- ✗ D. Enlightment (Nirvana)

Question ID : **1034351034**

Q.12 Currently (As on August 2021), Who is the Union Finance Minister?

Ans
- ✓ A. Nirmala Sitharaman
- ✗ B. Piyush Goyal
- ✗ C. Pranab Kumar Mukherjee
- ✗ D. Arun Jaitley

Question ID : **1034351043**

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Q.13 Which Basic Volleyball Rule for Playing the Game is correct from the following options?

Ans
✔ A. 6 players on a team, 3 on the front row and 3 on the back row.
✘ B. 6 players on a team, 4 on the front row and 2 on the back row.
✘ C. 6 players on a team, 2 on the front row and 4 on the back row.
✘ D. 6 players on a team, 1 on the front row and 5 on the back row.

Question ID : **1034351038**

Q.14 PARAM Siddhi-AI and Mihir are two Supercomputers from which country?

Ans
✘ A. Afghanistan
✔ B. India
✘ C. Bangladesh
✘ D. Pakistan

Question ID : **1034351047**

Q.15 Ashoka the Great had promoted the spread of _____.

Ans
✘ A. Jainism
✘ B. Judaism
✔ C. Buddhism
✘ D. Hinduism

Question ID : **1034351033**

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Q.16 Dhrupad is a genre in Hindustani classical music, what is the meaning of Dhrupad?

Ans
✘ A. The word Dhrupad is derived from Dhruva, the steadfast morning star that moves through the galaxy, and Pada meaning poetry.
✘ B. The word Dhrupad is derived from Dhruva, the steadfast evening star that moves through the galaxy, and Pada meaning voice.
✘ C. The word Dhrupad is derived from Dhruva, the steadfast evening star that moves through the galaxy, and Pada meaning bird.
✔ D. The word Dhrupad is derived from Dhruva, the steadfast evening star that moves through the galaxy, and Pada meaning poetry.

Question ID : **1034351040**

Q.17 Rohtang Pass connects _____.

Ans
✔ A. The Kullu Valley with the Lahaul and Spiti Valleys of Himachal Pradesh, India.
✘ B. The Kullu Valley with the Lahaul and Spiti Valleys of Kashmir, India.
✘ C. The Kullu Valley with the Lahaul and Spiti Valleys of Madhya Pradesh, India.
✘ D. The Kullu Manali with the Lahaul and Spiti Valleys of Himachal Pradesh, India.

Question ID : **1034351041**

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Q.18 Selman Waksman discovered streptomycin from this bacterium, which proved an effective medicine against:

Ans
- ✗ A. Asthma
- ✗ B. HIV
- ✗ C. Ebola virus
- ✓ D. Tuberculosis

Question ID : **1034351046**

Q.19 In the Indian women's cricket team who won the Arjuna Award in 2020?

Ans
- ✓ A. Deepti Sharma
- ✗ B. Deepa Sharma
- ✗ C. Devika Sharma
- ✗ D. Deepali Sharma

Question ID : **1034351037**

Q.20 On which day the World Asthma Day is observed every year?

Ans
- ✗ A. On the last Tuesday of May every year
- ✗ B. On the third Tuesday of May every year
- ✗ C. On the Second Tuesday of May every year
- ✓ D. On the first Tuesday of May every year

Question ID : **1034351031**

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Section : **Arithmetic Ability**

Q.1 The average weight of 20 crew members increase by 2.3 kg if a man of 43 kg is replaced with a new man. What is the weight of the new man?

Ans
- ✗ A. 79 kg
- ✗ B. 98 kg
- ✓ C. 89 kg
- ✗ D. 78 kg

Question ID : **1034351060**

Q.2 A board i.e. 8 feet and 9 inches tallis divided into 3 equal parts. What is the length of each part?

Ans
- ✗ A. 33
- ✗ B. 53
- ✓ C. 35
- ✗ D. 55

Question ID : **1034351053**

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Q.3 Which is the better offer:
i. Three successive discounts of 25%, 16%, 30%
ii. Three successive discounts of 28%, 26%, 8%
iii. Three successive discounts of 18%, 56%, 3%
iv. Three successive discounts of 2%, 44%, 15%

Ans
✗ A. iv
✗ B. ii
✓ C. iii
✗ D. i

Question ID : **1034351062**

Q.4 A man walks up to the station at a speed of 5kmph. However, he misses the train by 3 minutes. If he walks at 6kmph he reaches 4 mins early to the station. What is the distance that the man covers?

Ans
✗ A. 7 km
✗ B. 2 km
✗ C. 3 km
✓ D. 3.5 km

Question ID : **1034351068**

Q.5 Ram and Shyam can do a job in 25 days together. If Ram alone takes 30 days to do the job then how long does Shyam take?

Ans
✗ A. 125 days
✗ B. 115 days
✗ C. 105 days
✓ D. 150 days

Question ID : **1034351067**

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Q.6 If a/b=11/13 then what is the value of $(a^3-b^3)/(a^3+b^3)$

Ans
✗ A. -0.24
✓ B. -0.25
✗ C. -0.2
✗ D. -0.26

Question ID : **1034351051**

Q.7 There are 42 students in a hostel. 14 more students joined and the expenditure has been increased by Rs. 14 a day. The average expenditure has decreased by Rs 2 per day. What was the original expenditure?

Ans
✗ A. Rs. 738
✓ B. Rs. 378
✗ C. Rs. 387
✗ D. Rs. 783

Question ID : **1034351061**

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Q.8 The value of a machine depreciates at a rate of 13% p.a. If the present value is Rs. 5670000, what will be it's worth after 2 years?

Ans
- ✗ A. Rs. 4291326
- ✓ B. Rs. 4291623
- ✗ C. Rs. 4291632
- ✗ D. Rs. 4291236

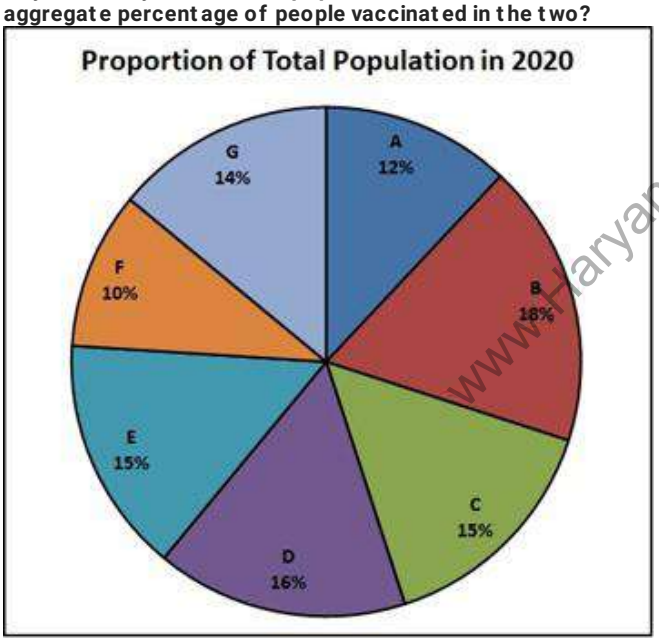
Question ID : **1034351059**

Q.9 When a number is divided by 18, 28, 38 then it leaves a remainder of 13 in each case. Find such smallest number.

Ans
- ✗ A. 4802
- ✗ B. 4800
- ✗ C. 4803
- ✓ D. 4801

Question ID : **1034351054**

Q.10 The graph shows the percentage of the people that are vaccinated in each city. If city A and city D have total population of 6 lakhs and 10 lakhs then what is the aggregate percentage of people vaccinated in the two?



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Ans
- ✓ A. 14.5%
- ✗ B. 14%
- ✗ C. 16%
- ✗ D. 15%

Question ID : **1034351069**

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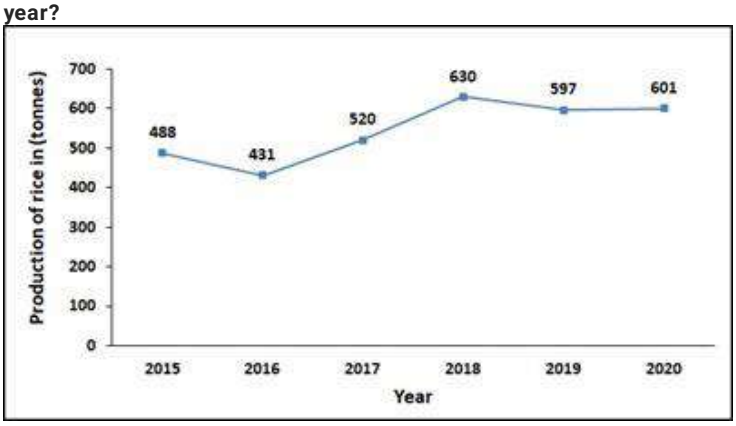
Q.11 The price of a commodity has decreased by 16% and then it has increased by 22%. What is the new cost as a percentage of the original cost?

Ans
- ✗ A. 103.0%
- ✓ B. 102.48%
- ✗ C. 104.0%
- ✗ D. 102.0%

Question ID : **1034351058**

Q.12 The graph shows the year on year production of rice. In how many years the production of rice has increased by more than 20% over the production in previous year?



Ans
- ✗ A. 3
- ✗ B. 0
- ✓ C. 2
- ✗ D. 1

Question ID : **1034351070**

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Q.13 An article is listed at Rs. 80000 with a discount of 12%. What additional discount must be offered to the customer to bring the price to Rs. 64768?

Ans
- ✓ A. 8%
- ✗ B. 12%
- ✗ C. 10%
- ✗ D. 6%

Question ID : **1034351063**

Q.14 The ratio of present ages of Salman and Amar is 8:9. After 15 years the ratio of their ages become 13:14. What is their present ages?

Ans
- ✗ A. 16, 18
- ✗ B. 32, 36
- ✓ C. 24, 27
- ✗ D. 8, 9

Question ID : **1034351057**

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Q.15 A shopkeeper gives 28% discount on the list price of Rs. 56700. He made a loss of 10% after this transaction. What is the profit percentage that he should keep to make a profit of Rs. 1700?

Ans
- ✗ A. 3.57%
- ✗ B. 3.7%
- ✗ C. 3.5%
- ✓ D. 3.75%

Question ID : **1034351064**

Q.16 Water flows into a tank that is 175m in length and 100m in width. The pipe is cylindrical and water flows through it at a speed of 12 km per hour. The radius of the pipe is 0.7m. How long will it take to fill the tank by 5m?

Ans
- ✗ A. 248 mins
- ✗ B. 824 mins
- ✗ C. 428 mins
- ✓ D. 284 mins

Question ID : **1034351066**

Q.17 A square and a equilateral triangle have the same length of sides. The side is 16 cm. What is the ratio of the area of the square to the triangle?

Ans
- ✗ A. 4:2
- ✗ B. √3:4
- ✓ C. 4:√3
- ✗ D. 1:1

Question ID : **1034351056**

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Q.18 Find the largest number that divided 45, 57 and 65 leaves a common remainder. What is the remainder?

Ans
- ✗ A. 4, 0
- ✗ B. 1, 4
- ✓ C. 4, 1
- ✗ D. 4, 3

Question ID : **1034351055**

Q.19 Divide the amount 60000 between A and B such that the amount after 2 years is same as the amount after 3 years at interest 6% p.a compound interest.

Ans
- ✓ A. Rs. 30873.8, Rs. 29126.2
- ✗ B. Rs. 30738.8, Rs. 29261.2
- ✗ C. Rs. 30837.8, Rs. 29261.2
- ✗ D. Rs. 30783.8, Rs. 29261.2

Question ID : **1034351065**

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Q.20 What fraction is 8 seconds of 3 hours?

Ans
- ✗ A. 1/1530
- ✗ B. 1/1500
- ✗ C. 1/13500
- ✓ D. 1/1350

Question ID : **1034351052**

Section : **General English**

Q.1 Select the word that is similar in meaning (SYNONYM) to the word given below.

CONGLOMERATE

Ans
- ✗ A. HOMOGENOUS
- ✗ B. UNVARIED
- ✓ C. COMBINE
- ✗ D. CONSTANT

Question ID : **1034351081**

Q.2 Select the most appropriate meaning of the given proverb.

All roads lead to Rome.

Ans
- ✗ A. Life is what you make of it.
- ✓ B. There are several ways to complete a task.
- ✗ C. When the food is nicely arranged, the appetite increases.
- ✗ D. The positive outcome of something makes the earlier negative things unimportant.

Question ID : **1034351085**

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Q.3 Select the most appropriate idiom for the given sentence.

To work or operate in a satisfactory manner.

Ans
- ✗ A. Takes the biscuit
- ✗ B. Hot potato
- ✓ C. Cut the mustard
- ✗ D. Topsy Turvy

Question ID : **1034351084**

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Q.4 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

No, the point is to first get (self-discipline people who engage) in very rigorous thinking.

Ans
✗ A. self-disciplined people who are engage
✗ B. No correction required.
✓ C. self-disciplined people who engage
✗ D. self-discipline people who engaged

Question ID : **1034351074**

Q.5 The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.

Goondas Act is a type of preventive detention law that was first enacted in 1923 in Bengal.

P. The law is used in several forms in several states for 'preventive detention of habitual offenders.'

Q. Goondas Act in Tamil Nadu is known as the Tamil Nadu Prevention of Dangerous Activities of Bootleggers, Drug Offenders etc.

R. This enables the authorities to imprison persons without having to provide for a court trial.

S. Historically, these acts were criticised for its use in detaining people who showed political dissent.

Even a single offence under the act enables the authorities to detain a person as a goonda.

Ans
✗ A. PQRS
✓ B. PRSQ
✗ C. QSRP
✗ D. RPQS

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Question ID : **1034351078**

Q.6 Select the most appropriate 'one word' for the expressions given below.

Relating to the enjoyment or study of beauty

Ans
✗ A. Avarice
✗ B. Anile
✗ C. Menagerie
✓ D. Aesthetic

Question ID : **1034351083**

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Q.7 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

Therefore, when I get mad at somebody, I / express anger, but I also make it a point / of not punch them in the face.

Ans
- ✔ A. of not punch them in the face.
- ✘ B. express anger, but I also make it a point
- ✘ C. No Error
- ✘ D. Therefore, when I get mad at somebody, I

Question ID : **1034351071**

Q.8 Choose the gramatically correct sentence from the given options.

Ans
- ✘ A. A woman is many sensitive then men.
- ✘ B. A woman is more sensitive then men.
- ✘ C. A woman is more sensitive than an man.
- ✔ D. A woman is more sensitive than a man.

Question ID : **1034351077**

Q.9 The sentences below are not complete. There are four options for each question. Choose the best word to complete the sentence.

All require _____ deeper problems rather than avoiding them through highs.

Ans
- ✘ A. confront
- ✘ B. confronted
- ✔ C. confronting
- ✘ D. confrontational

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Question ID : **1034351076**

Q.10 Select the word that is similar in meaning (SYNONYM) to the word given below.

DISPARAGING

Ans
- ✔ A. DEFAMATORY
- ✘ B. COMPLIMENTARY
- ✘ C. DISLOYAL
- ✘ D. DEVOTED

Question ID : **1034351080**

Q.11 Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

Ans
- ✘ A. RECIEPIE
- ✘ B. RECEPIE
- ✘ C. RECIEPE
- ✔ D. RECIPE

Question ID : **1034351079**

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Q.12 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

At the turning of the last century / a new element began to make / its appearance in our world.

Ans
✔ A. At the turning of the last century
✘ B. No Error
✘ C. its appearance in our world.
✘ D. a new element began to make

Question ID : **1034351072**

Q.13 Select the word that is opposite in meaning (ANTONYM) to the word given below.

DESPISE

Ans
✘ A. OWNERSHIP
✘ B. CARTEL
✘ C. MONOPOLY
✔ D. ACCEPT

Question ID : **1034351082**

Q.14 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

Looking out the windows, (passengers can see ground, only after thinning and thickening) globs of grey clouds and the spatter of rain on the windows.

Ans
✔ A. passengers can't see the ground, only the thinning and thickening globs
✘ B. passengers can see the ground, since the thinning and thickening globs
✘ C. No correction required.
✘ D. passengers can't see the ground, after all only the thinning and thickening globs

Question ID : **1034351073**

Q.15 Fill in the blank with the most appropriate choice.

As if this period of disgraceful _____ had the slightest capacity to produce anything of superior quality.

Ans
✘ A. scribbage
✘ B. putrescence
✘ C. abbreviator
✔ D. decadence

Question ID : **1034351075**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Enzo Ferrari was not initially interested in the idea of producing road cars when he formed Scuderia Ferrari in 1929, with headquarters in Modena. Scuderia Ferrari literally means "Ferrari Stable" and is usually used to mean "Team Ferrari." Ferrari bought, prepared, and fielded Alfa Romeo racing cars for gentleman drivers, functioning as the racing division of Alfa Romeo. In 1933, Alfa Romeo withdrew its in-house racing team and Scuderia Ferrari took over as its works team: the Scuderia received Alfa's Grand Prix cars of the latest specifications and fielded many famous drivers such as Tazio Nuvolari and Achille Varzi. In 1938, Alfa Romeo brought its racing operation again in-house, forming Alfa Corse in Milan and hired Enzo Ferrari as manager of the new racing department; therefore, the Scuderia Ferrari was disbanded.
In September 1939, Ferrari left Alfa Romeo under the provision he would not use the Ferrari name in association with races or racing cars for at least four years. A few days later he founded Auto Avio Costruzioni, headquartered in the facilities of the old Scuderia Ferrari. The new company ostensibly produced machine tools and aircraft accessories. In 1940, Ferrari produced a race car – the Tipo 815, based on a Fiat platform. It was the first Ferrari car and debuted at the 1940 Mille Miglia, but due to World War II it saw little competition. In 1943, the Ferrari factory moved to Maranello, where it has remained ever since. The factory was bombed by the Allies and subsequently rebuilt including works for road car production.

SubQuestion No : 16

Q.16 On th basis of your reading of the above passage, choose the most appropriate heading for the same.

Ans

✔ A. History of Ferrari

✘ B. The Maranello

✘ C. Ferrari Stable

✘ D. Inside the Ferrari Factory

Question ID : **1034351087**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Enzo Ferrari was not initially interested in the idea of producing road cars when he formed Scuderia Ferrari in 1929, with headquarters in Modena. Scuderia Ferrari literally means "Ferrari Stable" and is usually used to mean "Team Ferrari." Ferrari bought, prepared, and fielded Alfa Romeo racing cars for gentleman drivers, functioning as the racing division of Alfa Romeo. In 1933, Alfa Romeo withdrew its in-house racing team and Scuderia Ferrari took over as its works team: the Scuderia received Alfa's Grand Prix cars of the latest specifications and fielded many famous drivers such as Tazio Nuvolari and Achille Varzi. In 1938, Alfa Romeo brought its racing operation again in-house, forming Alfa Corse in Milan and hired Enzo Ferrari as manager of the new racing department; therefore, the Scuderia Ferrari was disbanded.
In September 1939, Ferrari left Alfa Romeo under the provision he would not use the Ferrari name in association with races or racing cars for at least four years. A few days later he founded Auto Avio Costruzioni, headquartered in the facilities of the old Scuderia Ferrari. The new company ostensibly produced machine tools and aircraft accessories. In 1940, Ferrari produced a race car – the Tipo 815, based on a Fiat platform. It was the first Ferrari car and debuted at the 1940 Mille Miglia, but due to World War II it saw little competition. In 1943, the Ferrari factory moved to Maranello, where it has remained ever since. The factory was bombed by the Allies and subsequently rebuilt including works for road car production.

SubQuestion No : 17

Q.17 Enzo Ferrari was not initially interested in:

Ans

✘ A. Idea of establishing a factory

✘ B. Idea of producing road trucks

✘ C. Idea of participating in a race

✔ D. Idea of producing road cars

Question ID : **1034351090**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Enzo Ferrari was not initially interested in the idea of producing road cars when he formed Scuderia Ferrari in 1929, with headquarters in Modena. Scuderia Ferrari literally means "Ferrari Stable" and is usually used to mean "Team Ferrari." Ferrari bought, prepared, and fielded Alfa Romeo racing cars for gentleman drivers, functioning as the racing division of Alfa Romeo. In 1933, Alfa Romeo withdrew its in-house racing team and Scuderia Ferrari took over as its works team: the Scuderia received Alfa's Grand Prix cars of the latest specifications and fielded many famous drivers such as Tazio Nuvolari and Achille Varzi. In 1938, Alfa Romeo brought its racing operation again in-house, forming Alfa Corse in Milan and hired Enzo Ferrari as manager of the new racing department; therefore, the Scuderia Ferrari was disbanded.
In September 1939, Ferrari left Alfa Romeo under the provision he would not use the Ferrari name in association with races or racing cars for at least four years. A few days later he founded Auto Avio Costruzioni, headquartered in the facilities of the old Scuderia Ferrari. The new company ostensibly produced machine tools and aircraft accessories. In 1940, Ferrari produced a race car – the Tipo 815, based on a Fiat platform. It was the first Ferrari car and debuted at the 1940 Mille Miglia, but due to World War II it saw little competition. In 1943, the Ferrari factory moved to Maranello, where it has remained ever since. The factory was bombed by the Allies and subsequently rebuilt including works for road car production.

SubQuestion No : 18

Q.18 On th basis of your reading of the above passage, which word can be substituted for the underlined word 'Scuderia Ferrari was <u>disbanded'</u> from the following options?

Ans

✗ A. secured

✗ B. bankrupt

✓ C. ceased

✗ D. relocated

Question ID : **1034351091**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Enzo Ferrari was not initially interested in the idea of producing road cars when he formed Scuderia Ferrari in 1929, with headquarters in Modena. Scuderia Ferrari literally means "Ferrari Stable" and is usually used to mean "Team Ferrari." Ferrari bought, prepared, and fielded Alfa Romeo racing cars for gentleman drivers, functioning as the racing division of Alfa Romeo. In 1933, Alfa Romeo withdrew its in-house racing team and Scuderia Ferrari took over as its works team: the Scuderia received Alfa's Grand Prix cars of the latest specifications and fielded many famous drivers such as Tazio Nuvolari and Achille Varzi. In 1938, Alfa Romeo brought its racing operation again in-house, forming Alfa Corse in Milan and hired Enzo Ferrari as manager of the new racing department; therefore, the Scuderia Ferrari was disbanded.
In September 1939, Ferrari left Alfa Romeo under the provision he would not use the Ferrari name in association with races or racing cars for at least four years. A few days later he founded Auto Avio Costruzioni, headquartered in the facilities of the old Scuderia Ferrari. The new company ostensibly produced machine tools and aircraft accessories. In 1940, Ferrari produced a race car – the Tipo 815, based on a Fiat platform. It was the first Ferrari car and debuted at the 1940 Mille Miglia, but due to World War II it saw little competition. In 1943, the Ferrari factory moved to Maranello, where it has remained ever since. The factory was bombed by the Allies and subsequently rebuilt including works for road car production.

SubQuestion No : 19

Q.19 According to the passage, what is the meaning of 'gentleman drivers'?

Ans

✗ A. People who handle cars gently.

✓ B. Drivers of the male gender.

✗ C. Drivers above permitted legal driving age.

✗ D. Drivers who are new learners.

Question ID : **1034351088**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Enzo Ferrari was not initially interested in the idea of producing road cars when he formed Scuderia Ferrari in 1929, with headquarters in Modena. Scuderia Ferrari literally means "Ferrari Stable" and is usually used to mean "Team Ferrari." Ferrari bought, prepared, and fielded Alfa Romeo racing cars for gentleman drivers, functioning as the racing division of Alfa Romeo. In 1933, Alfa Romeo withdrew its in-house racing team and Scuderia Ferrari took over as its works team: the Scuderia received Alfa's Grand Prix cars of the latest specifications and fielded many famous drivers such as Tazio Nuvolari and Achille Varzi. In 1938, Alfa Romeo brought its racing operation again in-house, forming Alfa Corse in Milan and hired Enzo Ferrari as manager of the new racing department; therefore, the Scuderia Ferrari was disbanded.
In September 1939, Ferrari left Alfa Romeo under the provision he would not use the Ferrari name in association with races or racing cars for at least four years. A few days later he founded Auto Avio Costruzioni, headquartered in the facilities of the old Scuderia Ferrari. The new company ostensibly produced machine tools and aircraft accessories. In 1940, Ferrari produced a race car – the Tipo 815, based on a Fiat platform. It was the first Ferrari car and debuted at the 1940 Mille Miglia, but due to World War II it saw little competition. In 1943, the Ferrari factory moved to Maranello, where it has remained ever since. The factory was bombed by the Allies and subsequently rebuilt including works for road car production.

SubQuestion No : 20

Q.20 According to the passage, which establishment was bombed and had to be rebuilt on account of the damages?

Ans
✗ A. Mille Miglia Factory
✓ B. The Ferrari Factory
✗ C. Alfa Romeo at Maranello
✗ D. Scuderia Ferrari

Question ID : **1034351089**

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Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए मुहावरे का सही अर्थ हो | तीस मारखाँ बनना -

Ans
✗ A. स्थान का ठसाठस भरा होना
✗ B. भाग्य खराब होना
✗ C. खूब कस कर काम लेना
✓ D. अपने को बहुत शूरवीर समझना

Question ID : **1034351105**

Q.2 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प है |

Ans
✗ A. नेता जी सुभाष चन्द्र बोस ने कहा "तुम मुझे खून दो ,मैं तुम्हें आज़ादी दूंगा |"
✗ B. नेता जी सुभाष चन्द्र बोस ने कहा , तुम मुझे खून दो ,मैं तुम्हें आज़ादी दूंगा |"
✗ C. नेता जी सुभाष चन्द्र बोस ने कहा , "तुम मुझे खून दो ,मैं तुम्हें आज़ादी दूंगा |
✓ D. नेता जी सुभाष चन्द्र बोस ने कहा , "तुम मुझे खून दो ,मैं तुम्हें आज़ादी दूंगा |"

Question ID : **1034351103**

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Q.3 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें प्रत्यय शब्द का सही विकल्प हो |

Ans
- ✗ A. असाध्य
- ✗ B. विजय
- ✗ C. संतोष
- ✓ D. चांदनी

Question ID : **1034351093**

Q.4 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के काल के भेद का सही विकल्प है |
यदि छुट्टियाँ होंगी तो मैं आगरा जाउंगी |

Ans
- ✗ A. पूर्ण भूतकाल
- ✗ B. संदिग्ध भूतकाल
- ✓ C. आसन्न भूतकाल
- ✗ D. सामान्य भूतकाल

Question ID : **1034351100**

Q.5 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो वाक्यांश के लिए प्रयुक्त एक शब्द का सही विकल्प हो | जो इतिहास लिखे जाने के युग से पूर्व का हो -

Ans
- ✓ A. प्रागैतिहासिक
- ✗ B. ऐतिहासिक
- ✗ C. तात्कालिक
- ✗ D. समसामयिक

Question ID : **1034351096**

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Q.6 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिये गए संधि - विच्छेद शब्द का सही संधि का विकल्प हो | वाक् + ईश

Ans
- ✗ A. वागिश
- ✗ B. वाकीश
- ✓ C. वागीश
- ✗ D. वाक्शक्ति

Question ID : **1034351094**

Q.7 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प है

Ans
- ✗ A. कामायनी ' हिंदी की प्रसिद्ध रचना है |
- ✗ B. कामायनी ' हिंदी की प्रसिद्ध रचना है'
- ✗ C. कामायनी हिंदी की प्रसिद्ध रचना है|
- ✓ D. 'कामायनी' हिंदी की प्रसिद्ध रचना है |

Question ID : **1034351104**

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Q.8 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए शब्द -युग्म का सही अर्थ वाला विकल्प हो | अलीक - अलिक

Ans
✔ A. झूठा, ललाट
✘ B. घोड़ा ,पराया
✘ C. उदासीन,मोहित
✘ D. कठिन ,दुष्ट

Question ID : **1034351097**

Q.9 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिये गए संधि शब्द का सही संधि-विच्छेद शब्द का विकल्प हो | नमस्ते

Ans
✘ A. न + मस्ते
✘ B. न+ ते
✔ C. नमः+ ते
✘ D. नमस् + ते

Question ID : **1034351095**

Q.10 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के काल के भेद का सही विकल्प है | बारहवी कक्षा की परीक्षा का परिणाम घोषित होगया होगा |

Ans
✘ A. अपूर्ण वर्तमान काल
✔ B. सन्दिग्ध भूतकाल
✘ C. सामान्य वर्तमान काल
✘ D. आसन्न भूतकाल

Question ID : **1034351101**

Q.11 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो शुद्ध शब्द का सही विकल्प हो |

Ans
✘ A. वीश्वास
✔ B. इन्द्रियातीत
✘ C. मितव्ययि
✘ D. असाध्या

Question ID : **1034351098**

Q.12 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के पक्ष भेद का सही विकल्प है |
सचिन पढता है |

Ans
✘ A. पूर्णताद्योतक
✘ B. प्रगतिद्योतक
✘ C. आरंभद्योतक
✔ D. नित्यताद्योतक

Question ID : **1034351102**

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Q.13 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए शब्द का सही विलोम शब्द है |
क्षमा

Ans
✗ A. माफ़ी
✗ B. उचित
✗ C. सघन
✓ D. दंड

Question ID : **1034351099**

Q.14 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें उपसर्ग शब्द का सही विकल्प हो |

Ans
✗ A. बनाना
✗ B. गरीमा
✓ C. चिरकुमार
✗ D. भिन्नता

Question ID : **1034351092**

Q.15 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए लोकोक्ति का सही अर्थ हो |
उतर गई लोई तो क्या करेगा कोई

Ans
✗ A. जहाँ जिस वस्तु की आवश्यकता न हो, उसे वहां ले जाना
✗ B. उद्योगी को ही धन मिलता है।
✓ C. इज्जत जाने पर डर किसका?
✗ D. अपराधी निरपराध को डाँटे

Question ID : **1034351106**

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Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें |
निरंतर परिश्रम करते रहने से असाध्य माना जाने वाला कार्य भी सिद्ध हो जाया करता है। असफलता के माथे में कील ठोककर सफलता पाई जा सकती है। जैसे कूंए की जगत पर लगी सिल (शिला) पानी खींचने वाली रस्सी के बार-बार आने-जाने से, कोमल रस्सी की रगड़ पडने से घिसकर उस पर निशान अंकित हो जाया करता है। उसी तरह निरंतर और बार-बार अभ्यास यानि परिश्रम और चेष्टा करते रहने से एक निठल्ला और जड़-बुद्धि समझा जाने वाला व्यक्ति भी कुछ करने योग्य बन सकता है। सफलता और सिद्धि का स्पर्श कर सकता है। हमारे विचार में कवि ने अपने जीवन के अनुभवों के सार-तत्व के रूप में ही इस तरह की बात कही है। हमारा अपना भी विश्वास है कि कथित भाव ओर विचार सर्वथा अनुभव-सिद्ध ही है।

SubQuestion No : 16

Q.16 एक निठल्ला और जड़बुद्धि कैसे योग्य बन सकता है |

Ans
✗ A. आलसी होने पर
✓ B. निरंतर एवं बारबार परिश्रम करने से
✗ C. चुपचाप बैठने पर
✗ D. काम न करने पर

Question ID : **1034351109**

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Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें |
निरंतर परिश्रम करते रहने से असाध्य माना जाने वाला कार्य भी सिद्ध हो जाया करता है। असफलता के माथे में कील ठोककर सफलता पाई जा सकती है। जैसे कूंए की जगत पर लगी सिल (शिला) पानी खींचने वाली रस्सी के बार-बार आने-जाने से, कोमल रस्सी की रगड़ पडने से घिसकर उस पर निशान अंकित हो जाया करता है। उसी तरह निरंतर और बार-बार अभ्यास यानि परिश्रम और चेष्टा करते रहने से एक निठल्ला और जड़-बुद्धि समझा जाने वाला व्यक्ति भी कुछ करने योग्य बन सकता है। सफलता और सिद्धि का स्पर्श कर सकता है। हमारे विचार में कवि ने अपने जीवन के अनुभवों के सार-तत्व के रूप में ही इस तरह की बात कही है। हमारा अपना भी विश्वास है कि कथित भाव ओर विचार सर्वथा अनुभव-सिद्ध ही है।

SubQuestion No : 17

Q.17 परिश्रम' का विलोम शब्द क्या है ?

Ans

✗ A. कर्मठ

✗ B. उद्यम

✓ C. विश्राम

✗ D. श्रम

Question ID : **1034351110**

Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें |
निरंतर परिश्रम करते रहने से असाध्य माना जाने वाला कार्य भी सिद्ध हो जाया करता है। असफलता के माथे में कील ठोककर सफलता पाई जा सकती है। जैसे कूंए की जगत पर लगी सिल (शिला) पानी खींचने वाली रस्सी के बार-बार आने-जाने से, कोमल रस्सी की रगड़ पडने से घिसकर उस पर निशान अंकित हो जाया करता है। उसी तरह निरंतर और बार-बार अभ्यास यानि परिश्रम और चेष्टा करते रहने से एक निठल्ला और जड़-बुद्धि समझा जाने वाला व्यक्ति भी कुछ करने योग्य बन सकता है। सफलता और सिद्धि का स्पर्श कर सकता है। हमारे विचार में कवि ने अपने जीवन के अनुभवों के सार-तत्व के रूप में ही इस तरह की बात कही है। हमारा अपना भी विश्वास है कि कथित भाव ओर विचार सर्वथा अनुभव-सिद्ध ही है।

SubQuestion No : 18

Q.18 सफलता कैसे पाई जा सकती है ?

Ans

✗ A. कुछ ना करने पर

✗ B. दूसरों को परेशान कर

✓ C. असफलता के मार्ग में कील ठोककर

✗ D. आराम से कार्य करनी पर

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Question ID : **1034351108**

Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें |
निरंतर परिश्रम करते रहने से असाध्य माना जाने वाला कार्य भी सिद्ध हो जाया करता है। असफलता के माथे में कील ठोककर सफलता पाई जा सकती है। जैसे कूंए की जगत पर लगी सिल (शिला) पानी खींचने वाली रस्सी के बार-बार आने-जाने से, कोमल रस्सी की रगड़ पडने से घिसकर उस पर निशान अंकित हो जाया करता है। उसी तरह निरंतर और बार-बार अभ्यास यानि परिश्रम और चेष्टा करते रहने से एक निठल्ला और जड़-बुद्धि समझा जाने वाला व्यक्ति भी कुछ करने योग्य बन सकता है। सफलता और सिद्धि का स्पर्श कर सकता है। हमारे विचार में कवि ने अपने जीवन के अनुभवों के सार-तत्व के रूप में ही इस तरह की बात कही है। हमारा अपना भी विश्वास है कि कथित भाव ओर विचार सर्वथा अनुभव-सिद्ध ही है।

SubQuestion No : 19

Q.19 अनुच्छेद के लिए उचित शीर्षक दीजिये |

Ans

✗ A. जड़बुद्धि

✓ B. करत - करत अभ्यास जड़मति होता सुजान

✗ C. असाध्य कार्य

✗ D. सुधार होने के तरीके

Question ID : **1034351112**

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Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें |
निरंतर परिश्रम करते रहने से असाध्य माना जाने वाला कार्य भी सिद्ध हो जाया करता है। असफलता के माथे में कील ठोककर सफलता पाई जा सकती है। जैसे कूंए की जगत पर लगी सिल (शिला) पानी खींचने वाली रस्सी के बार-बार आने-जाने से, कोमल रस्सी की रगड़ पडने से घिसकर उस पर निशान अंकित हो जाया करता है। उसी तरह निरंतर और बार-बार अभ्यास यानि परिश्रम और चेष्टा करते रहने से एक निठल्ला और जड़-बुद्धि समझा जाने वाला व्यक्ति भी कुछ करने योग्य बन सकता है। सफलता और सिद्धि का स्पर्श कर सकता है। हमारे विचार में कवि ने अपने जीवन के अनुभवों के सार-तत्व के रूप में ही इस तरह की बात कही है। हमारा अपना भी विश्वास है कि कथित भाव ओर विचार सर्वथा अनुभव-सिद्ध ही है।

SubQuestion No : 20

Q.20 जड़बुद्धि का क्या अर्थ है ?

Ans
✔ A. मूर्ख
✘ B. स्थिरबुद्धि
✘ C. बुद्धिमान
✘ D. चालक

Question ID : **1034351111**

Section : **Discipline1**

Q.1 Find out the number of equivalence classes that can be defined by the set {4,5,6} :

Ans
✘ A. 15
✘ B. 6
✘ C. 4
✔ D. 5

Question ID : **1034351125**

Q.2 Calculate the number of asymptotes from this function of f (x) = (x ÷ (x² – 9)).

Ans
✔ A. 3
✘ B. 0
✘ C. 2
✘ D. 1

Question ID : **1034351117**

Q.3 Find the row echelon form of :
[10 20
30 40]

Ans
✘ A. [1 2
0 -20]
✔ B. [1 2
0 1]
✘ C. [1 2
30 40]
✘ D. [1 2
0 -10]

Question ID : **1034351132**

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Q.4 If (u= 1÷x)Then the derivative of 1÷x² is :

Ans

✗ A. 1÷ x³

✓ B. (-2)÷ x³

✗ C. (-1)÷ x³

✗ D. 2÷ x³

Question ID : **1034351115**

Q.5 Which one is true when A matrix is in row echelon form :
a)The first non-zero number from the left (the "leading coefficient") is always to the right of the first non-zero number in the row above.
b)Rows are not attached to all zeros are at the bottom of the matrix.

Ans

✗ A. Both statements are true

✓ B. a

✗ C. any a or b

✗ D. b

Question ID : **1034351131**

Q.6 The area of an ellipse is __ when the semiaxes have lengths a and b.

Ans

✗ A. 1÷(2πab)

✓ B. πab

✗ C. 2πab

✗ D. (1÷2π)ab

Question ID : **1034351122**

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Q.7 gcd (18,30) =

Ans

✗ A. 9

✗ B. 5

✓ C. 6

✗ D. 10

Question ID : **1034351129**

Q.8 The spin field or rotation field or turning field goes around the origin instead of away from it. The field is S. If S is perpendicular to R then their dot product is :

Ans

✗ A. not defined

✗ B. infinite

✓ C. 0

✗ D. 1

Question ID : **1034351120**

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Q.9 Which one is not the possible row operations on a matrix :

Ans
- ✗ A. Interchange any two rows
- ✓ B. Turn the numbers in the bottom row into positive
- ✗ C. Multiply one row by a non-zero constant.
- ✗ D. Add two rows together.

Question ID : **1034351130**

Q.10 What is volume of a cone of height H and radius R ?

Ans
- ✗ A. $(1\div2)\pi R^3H$
- ✗ B. $(1\div2)\pi R^2H$
- ✗ C. $(1\div3)\pi R^3H$
- ✓ D. $(1\div3)\pi R^2H$

Question ID : **1034351118**

Q.11 gcd (12,20) =

Ans
- ✗ A. 12
- ✗ B. 20
- ✓ C. 4
- ✗ D. 3

Question ID : **1034351128**

Q.12 Which one is not true for equivalence relation :

Ans
- ✓ A. Relation is transpose i.e., $R^{-1}= \{(b, a): (a, b) \in R\}$
- ✗ B. Relation R is Symmetric, i.e., aRb $\Longrightarrow$ bRa
- ✗ C. Relation R is Reflexive, i.e. aRa $\forall$ a$\in$A.
- ✗ D. Relation R is transitive, i.e., aRb and bRc $\Longrightarrow$ aRc.

Question ID : **1034351126**

Q.13 The derivative of a function is

Ans
- ✗ A. slope
- ✗ B. range
- ✗ C. order
- ✓ D. rate of change

Question ID : **1034351113**

Q.14 Zero of x^2-64 will be :

Ans
- ✗ A. ±4
- ✗ B. ±64
- ✗ C. ±2
- ✓ D. ±8

Question ID : **1034351123**

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Q.15 Two triangles consisting of 1 + 2 + · · · + n pebbles and fit them together with one additional diagonal of n + 1 pebbles. The Sum of the First n Integers :

Ans
✗ A. n^2
✗ B. $\sqrt{(n)^3}$
✓ C. $(n+1)^2$
✗ D. $\sqrt{(n+1)}$

Question ID : **1034351127**

Q.16 The area of the region trapped between the curves $y = x^2$ and $y = x+2$ is :

Ans
✓ A. 9÷2
✗ B. 2÷3
✗ C. 10÷6
✗ D. 10÷3

Question ID : **1034351119**

Q.17 Find out the whether the statement is true or false in case of monotony :
f'(x) > 0 ⇒ f (x) increasing.
f'(x) < 0 ⇒ f (x) decreasing

Ans
✓ A. Both statements are true
✗ B. Both statements are false
✗ C. Statement 2 is true, Statement 1 is false
✗ D. Statement 1 is true , Statement 2 is false

Question ID : **1034351116**

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Q.18 This polynomial $x^2+8x+16$ has :

Ans
✗ A. no zero
✗ B. one positive and two imaginary zeros
✗ C. three real zeros
✓ D. two -ve zeros

Question ID : **1034351124**

Q.19 Which statement does not satisfied the condition for the radial fields and spin fields :

Ans
✗ A. The spin fields S and S÷r are not gradients of any f(x, y).
✗ B. The spin field S÷r^2 is the gradient of the polar angle θ = $\tan^{-1}$(y÷x).
✓ C. The radial field having multiple of R = - yi + xj
✗ D. The radial fields R and R÷r and R÷r^2 are all gradient fields.

Question ID : **1034351121**

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Q.20 If $u = x^2$ then the derivative of x^4 is :

Ans
- ✗ A. u (du÷dx)
- ✓ B. 2u (du÷dx)
- ✗ C. 4u (du÷dx)
- ✗ D. 3u (du÷dx)

Question ID : **1034351114**

Section : **Discipline2**

Q.1

Ans
- ✗ A. If a ≥0 and b ≥0, then a + b = |a| + |b|
- ✗ B. If a ≥0 and b ≥ 0, then a+b≥ 0
- ✗ C. If a ≤0 and b ≤0, then a+b≤0
- ✓ D. If a ≥0 and b ≤ 0, then a + b = |a| - |b|

Question ID : **1034351133**

Q.2 What is the formula for logistic growth?

Ans
- ✓ A. dN ÷ dt= rN
- ✗ B. dN÷rN= dt
- ✗ C. dt = rN× dN
- ✗ D. dt÷rN = dN

Question ID : **1034351145**

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Q.3

Ans
- ✗ A. ~
- ✗ B. ≤
- ✓ C. ≥
- ✗ D. (=)

Question ID : **1034351134**

Q.4 The relationship between logistic growth and population data ?

Ans
- ✗ A. (1÷y)×(dy÷dt)=(d÷dt)×(log y)
- ✓ B. dy ÷ dt = ry(a − y)
- ✗ C. (1÷y)×(dy÷dt)= ry(a − y)
- ✗ D. (1÷y)×(dy÷dt)= ry(a (y)

Question ID : **1034351151**

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Q.5 What is the order of this equation? $(d^2y \div dx^2) - (dy \div dx)^3 + 3x = 0$

Ans

✗ A. 0

✗ B. 1

✓ C. 2

✗ D. 3

Question ID : **1034351148**

Q.6 Which one may or may not take form of model ?

Ans

✗ A. differential equations

✗ B. game of theoretic models

✓ C. logical models

✗ D. statistical models

Question ID : **1034351150**

Q.7 The ordinary differential equation is :
$(d^2y \div dx^2) - 4x^2y + \cos x = 0$

Ans

✓ A. Linear and Non homogeneous

✗ B. Linear and homogeneous

✗ C. Non Linear and homogeneous

✗ D. Non Linear and Non homogeneous

Question ID : **1034351149**

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Q.8 A divergent infinite series that does not diverge to $\pm\infty$ is said to be

Ans

✗ A. linear

✓ B. oscillatory

✗ C. non linear

✗ D. arbitrary

Question ID : **1034351140**

Q.9 What is the solution of this differential equation $(d^2y) \div (dx^2) = -y$?

Ans

✗ A. $y(x) = \tan(x)$

✗ B. $y(x) = \cot(x)$

✓ C. $y(x) = a\cos(x) + b\sin x$

✗ D. $y(x) = a\sin(x) - b\cos x$

Question ID : **1034351152**

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Q.10 Which one is the Malthus equation?

Ans
- ✗ A. dN ÷ dt = log (A+bt)
- ✗ B. dN ÷ dt = rN
- ✓ C. dN÷ dt= (b − d)N
- ✗ D. dN ÷ dt = N× e^(0.00000111 t)

Question ID : **1034351147**

Q.11 Simplify : (3x)÷((5x+1)-2)

Ans
- ✗ A. (3x(x+1))÷(5−2(x+1))
- ✗ B. (3x(3−2x))÷ (x+1)
- ✓ C. (3x)÷(5x-1)
- ✗ D. (3x−2x)÷ (x+1)

Question ID : **1034351136**

Q.12

Ans
- ✗ A. Many solution
- ✓ B. Unique solution
- ✗ C. No real solution
- ✗ D. Infinite solution

Question ID : **1034351138**

Q.13 When the growth rate was 1 % per year , the world population in 1965 was 4 billion. If the modelled equation is given by P= $4(2.1)^t$. Population growth in Sweden in from July 1965 to July 1966 was approx. _____ .

Ans
- ✗ A. 1340000000
- ✗ B. 1540000000
- ✗ C. 1440000000
- ✓ D. 1640000000

Question ID : **1034351146**

Q.14 A series Σ a(n) converges ___ if Σ a(n) < ∞

Ans
- ✓ A. absolutely
- ✗ B. conditionally
- ✗ C. locally
- ✗ D. equally

Question ID : **1034351142**

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Q.15

Ans
- ✔ A. 1÷(n+1)
- ✘ B. 2÷(2n+1)
- ✘ C. 2÷(n+1)
- ✘ D. 1÷(2n+1)

Question ID : **1034351137**

Q.16 What will be the order and degree of the differential equation :$4x(d^3y \div dx^3)+6x^2(dy \div dx)^3-9xy=0$

Ans
- ✘ A. Third order, Third degree
- ✘ B. First order, fourth degree
- ✔ C. Third order, first degree
- ✘ D. First order, third degree

Question ID : **1034351143**

Q.17 If the difference equation P(n+1) = aP(n)+ b then, if P(0) = 2, a = 3, and b = −1, what is P(2)?

Ans
- ✘ A. 15
- ✘ B. 5
- ✔ C. 14
- ✘ D. -5

Question ID : **1034351144**

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Q.18 A convergent sequence is

Ans
- ✔ A. bounded
- ✘ B. conditional
- ✘ C. Unique
- ✘ D. integral

Question ID : **1034351139**

Q.19 Which is not the properties of Absolute Value :

Ans
- ✘ A. $|a \cdot b| = |a| \cdot |b|$
- ✘ B. $|-a| = |a|$
- ✘ C. $|a| \geq 0$
- ✔ D. $|-a| = a$

Question ID : **1034351135**

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Q.20 The sum of a convergent series is ?

Ans
- ✔ A. Unique
- ✘ B. integral
- ✘ C. conditional
- ✘ D. bounded

Question ID : **1034351141**

Section : **Discipline3**

Q.1 Solve : lim x→0 log (e^x)

Ans
- ✘ A. -1
- ✘ B. e
- ✔ C. 0
- ✘ D. 1

Question ID : **1034351153**

Q.2 Find the prism volume in the order dz dy dx (six orders are possible).

Ans
- ✘ A. 1
- ✔ B. 3
- ✘ C. 4
- ✘ D. 2

Question ID : **1034351168**

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Q.3 Taylor expansion of e^x :

Ans
- ✘ A. $1+x+((1\div6)(x^2))+((1\div2)(x^3))+\cdots$
- ✔ B. $1+x+((1\div2)(x^2))+((1\div6)(x^3))+\cdots$
- ✘ C. $1+x+((1\div2)(x^2))+((1\div2)(x^3))+\cdots$
- ✘ D. $1+x+((1\div3)(x^2))+((1\div6)(x^3))+\cdots$

Question ID : **1034351162**

Q.4 Determine the domain of the following function, $f(x,y,z)= 1/\sqrt{(x^2+y^2+z^2-16)}$

Ans
- ✘ A. $X^2+y^2+z^2<16$
- ✘ B. All R
- ✔ C. $X^2+y^2+z^2>16$
- ✘ D. $X^2+y^2+z^2>-16$

Question ID : **1034351164**

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Q.5 The maximum always occurs at a:

Ans
- ✗ A. rough point
- ✓ B. critical point
- ✗ C. end point
- ✗ D. Stationary point

Question ID : **1034351166**

Q.6 Find the volume $\int\int\int dx\,dy\,dz$ inside the unit sphere $x^2+y^2+z^2=1$.

Ans
- ✗ A. 4π
- ✗ B. $2\pi\div3$
- ✗ C. 2π
- ✓ D. $4\pi\div3$

Question ID : **1034351167**

Q.7 Which one is not the method to recognise whether this function is discontinuous or not?

Ans
- ✗ A. Prove by contradiction by relating it to a function known to be discontinuous.
- ✗ B. Show that the function fails the $\varepsilon-\delta$ definition.
- ✗ C. Show that the function fails the sequence definition.
- ✓ D. Decomposing a function into simple discontinuous functions.

Question ID : **1034351158**

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Q.8 Which operator is used in stokes theorem

Ans
- ✓ A. curl
- ✗ B. set
- ✗ C. logical
- ✗ D. open

Question ID : **1034351171**

Q.9 Which composition of elementary function is not considered as derivable ?

Ans
- ✗ A. exponential
- ✓ B. injective
- ✗ C. trigonometric
- ✗ D. polynomial

Question ID : **1034351159**

Q.10 The function $f(x)=x^{-x}$ $(x\in R)$attains maximum at x= ?

Ans
- ✗ A. -1
- ✗ B. 1
- ✓ C. 1/e
- ✗ D. 0

Question ID : **1034351165**

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Q.11 What is the intermediate value of this function :f(x) = (x² − 2x + 2)÷ (x⁴ + 1) ?

Ans
- ✗ A. 1÷2
- ✗ B. 1
- ✓ C. 3÷4
- ✗ D. 2

Question ID : **1034351157**

Q.12 What is the difference between stokes and green theorem

Ans
- ✗ A. Green's theorem states this for objects of dimension 3 living in a space of dimension 2, and Stokes' theorem states this for objects of dimension 2 living in a space of dimension 3.
- ✗ B. Green's theorem states this for space of dimension 2 living in a objects of dimension 2, and Stokes' theorem states this for objects of dimension 2 living in a space of dimension 3.
- ✗ C. Green's theorem states this for objects of dimension 2 living in a space of dimension 2, and Stokes' theorem states this for objects of dimension 3 living in a space of dimension 2.
- ✓ D. Green's theorem states this for objects of dimension 2 living in a space of dimension 2, and Stokes' theorem states this for objects of dimension 2 living in a space of dimension 3.

Question ID : **1034351172**

Q.13 The total flux ∫F. n ds through every closed curve is

Ans
- ✗ A. ∞
- ✗ B. π÷2
- ✗ C. π
- ✓ D. 0

Question ID : **1034351170**

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Q.14 This function is : f(x) = (x² − 2x + 2)÷ (x⁴ + 1)

Ans
- ✗ A. linear
- ✓ B. continuous
- ✗ C. discontinuous
- ✗ D. Non Linear

Question ID : **1034351156**

Q.15 Which is not the way to write Taylor expansion :

Ans
- ✓ A. onto
- ✗ B. constant
- ✗ C. cubic
- ✗ D. quadratic

Question ID : **1034351161**

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Q.16 Green's theorem is ___

Ans

✗ A. a double integral around a simple closed curve C to a line integral over the dimensional region D bounded by C

✗ B. the surface integral of the curl of a function over a surface bounded by a closed surface is equal to the line integral of the particular vector function around that surface.

✗ C. a line integral around a simple closed curve C to a double integral over the dimensional region D bounded by C.

✓ D. a line integral around a simple closed curve C to a double integral over the plane region line D bounded by C.

Question ID : **1034351169**

Q.17 Solve : $\lim x \to -2 (2x^3 + 4x^2 + 8x + 10)$

Ans

✗ A. 0

✓ B. -6

✗ C. 58

✗ D. infinity

Question ID : **1034351154**

Q.18 Is the derivability of a function x^2 possible ? If yes then what is the range?

Ans

✗ A. yes $0<x<1$

✗ B. no

✓ C. yes at x=0

✗ D. yes at x=1

Question ID : **1034351160**

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Q.19 In $\sin(h) = h + O(h^3)$; what is the value of $O(h^3)$?

Ans

✗ A. $(1 \div 2!) \times h^3$

✗ B. $-(1 \div 2!) \times h^3$

✗ C. $(1 \div 3!) \times h^3$

✓ D. $(-1 \div 3!) \times h^3$

Question ID : **1034351163**

Q.20 Which one is not related to limit of function?

Ans

✗ A. The Constant Multiple Rule

✓ B. The addition rule

✗ C. The Power Rule

✗ D. The Constant Function Rule

Question ID : **1034351155**

Section : **Discipline4**

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Q.1 Every Cauchy sequence in a metric space is ___ and not a _____

Ans
✗ A. Homoeomorphic ,convergent
✗ B. Topological , homoeomorphic
✓ C. Convergent, topological
✗ D. Topological ,convergent

Question ID : **1034351187**

Q.2 $\lim x \to \infty (\ln x \div x)$?

Ans
✓ A. 0 converges
✗ B. 0 diverges
✗ C. ∞ converges
✗ D. ∞ diverges

Question ID : **1034351180**

Q.3 If $f : [a, b] \to R$ is bounded and P, Q are partitions of [a, b], then :

Ans
✗ A. $L(f; P) \leq L(f; Q)$
✗ B. $L(f) \leq U(f)$
✗ C. $U(f; Q) \leq U(f; P)$
✓ D. $L(f; P) \leq U(f; Q)$

Question ID : **1034351175**

Q.4 The series $\Sigma((x - 5)^n) \div n^2)$ has radius r = 1 around its basepoint a = 5. What is the interval of convergence?

Ans
✗ A. 0< x < n
✗ B. 0< x < 1
✗ C. 0< x < 2
✓ D. 4< x < 6

Question ID : **1034351181**

Q.5 Suppose that $f : [a, b] \to R$ is bounded, P is a partitions of [a, b], and Q is refinement of P. Then which one is true :
Statement 1: $U(f; Q) \leq U(f; P)$
Statement 2: $L(f; P) \leq L(f; Q)$

Ans
✗ A. Both statements are false
✗ B. 1
✗ C. 2
✓ D. both statements are true

Question ID : **1034351174**

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Q.6 Every metric space is :

Ans
- ✗ A. Congruent
- ✗ B. Topological
- ✗ C. continuous
- ✓ D. Normed space

Question ID : **1034351189**

Q.7 Which function is not the Riemann integrable?

Ans
- ✗ A. bounded
- ✗ B. discontinuous
- ✗ C. continuous
- ✓ D. unbounded

Question ID : **1034351173**

Q.8 Solve : $\lim \varepsilon \to 0+ \int (1 \div (2\sqrt{x}))\, dx$; with $0 < \varepsilon < 1$

Ans
- ✓ A. 1
- ✗ B. 0
- ✗ C. $1 \div \sqrt{2}$
- ✗ D. $1 \div \sqrt{4}$

Question ID : **1034351176**

Q.9 The intersection of finitely many open sets is ___and union of finitely many closed sets is ____

Ans
- ✗ A. closed, closed
- ✗ B. Open, open
- ✓ C. Open, closed
- ✗ D. closed, open

Question ID : **1034351184**

Q.10 If {Fn} converges uniformly to F on S; then {Fn} converges ____to F on S.

Ans
- ✗ A. integer
- ✗ B. constant
- ✓ C. closed subset
- ✗ D. point wise

Question ID : **1034351178**

Q.11 Solve : $\int 1 \div t\, dt$ with $0 < t < x$

Ans
- ✗ A. $1 \div x$
- ✗ B. $1 \div x^2$
- ✗ C. $1 \div t^2$
- ✓ D. ln x

Question ID : **1034351177**

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Q.12 The convergence of the series $\Sigma(x^n \div n)$ is

Ans
- ✗ A. ε
- ✗ B. 1
- ✓ C. 0
- ✗ D. -1

Question ID : **1034351182**

Q.13 which one of the following has topological property

Ans
- ✗ A. Path compactness
- ✗ B. Near connectedness
- ✗ C. Near compactness
- ✓ D. Path connectedness

Question ID : **1034351186**

Q.14 The function fj (x) = x^j ; j ≥ 0; define the infinite series. The nth partial sum of the series is :

Ans
- ✗ A. Fn(x) = x+ x^2 + x^2+.....+x^n
- ✗ B. Fj(x) = 1- x + x^2+.....+x^j
- ✗ C. Fj(x) = x- +x^2+.....+x^j
- ✓ D. Fn(x) = 1+ x + x^2+.....+x^n

Question ID : **1034351179**

Q.15 If T is compact ,then T is ___ and ___

Ans
- ✓ A. Closed and bounded
- ✗ B. Bounded and open
- ✗ C. Closed and unbounded
- ✗ D. Unbounded and open

Question ID : **1034351192**

Q.16 A set is ___ if and only if it contains all its limit points:

Ans
- ✓ A. closed
- ✗ B. joint
- ✗ C. open
- ✗ D. disjoint

Question ID : **1034351183**

Q.17 Topological space is _____-- a metric space

Ans
- ✗ A. never
- ✗ B. vice-versa
- ✓ C. Sometimes
- ✗ D. Always

Question ID : **1034351185**

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Q.18 If p and π are equivalent metrics on a set A; then (A, p) and (A, π) have the __ and ____ sets

Ans
- ✗ A. Open ,different
- ✗ B. Different, closed
- ✗ C. Closed, same
- ✓ D. Same ,open

Question ID : **1034351190**

Q.19 A set T is compact if it has the ____ property

Ans
- ✗ A. Jaein -borel
- ✗ B. Heine -corel
- ✗ C. Uniqued
- ✓ D. Heine -borel

Question ID : **1034351191**

Q.20 If all convergent sequences are mapped to convergent sequences then the function is ____

Ans
- ✓ A. continuous
- ✗ B. not defined
- ✗ C. differentiated
- ✗ D. Discontinuous

Question ID : **1034351188**

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Section : **Discipline5**

Q.1 Every group of prime order is ?

Ans
- ✓ A. cyclic
- ✗ B. non abelian
- ✗ C. triangular
- ✗ D. abelian

Question ID : **1034351202**

Q.2 A group G is complete if g →ig: G → Aut (g) is :

Ans
- ✗ A. hetromorphism
- ✗ B. homomorphism
- ✗ C. Automorphism
- ✓ D. Isomorphism

Question ID : **1034351193**

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Q.3 Let G be a finite group, and let $|G| = ((p^r) \times m)$ with m not divisible by p . The properties doesn't fit for the condition :

Ans

✗ A. Every p-subgroup of G is contained in a Sylow p-subgroup.

✗ B. Let s(p) be the number of Sylow p-subgroups in G

✗ C. Any two Sylow p-subgroups are conjugate.

✓ D. A Sylow p-subgroup is normal if and only if it is the only Sylow p-subgroup

Question ID : **1034351201**

Q.4 Let $Hi \leq G$ for $i \in \{1, \ldots, n\}$. Then which of the following sets doesn't satisfy the IDP properties ?

Ans

✓ A. $h1 \cdots hn = x1 \cdots xn$, with $hi, xi \in Hi$

✗ B. $Hi \leftarrow G$, for all i

✗ C. Hi def = $H1 \cdots Hi{-}1 \cdot Hi{+}1 \cdots Hn$, $Hi \cap H\hat{}i = \{1\}$

✗ D. $G = H1 \cdots Hn = \{h1 \cdots hn : hi \in Hi\}$

Question ID : **1034351195**

Q.5 Which is not the level of transitive of conjugative classes :

Ans

✗ A. transitive

✓ B. inverse transitive

✗ C. double transitive

✗ D. fold transitive

Question ID : **1034351198**

Q.6 A finite group G is a __ if and only if every element has order a power of p.

Ans

✗ A. dihedral group

✗ B. cyclic group

✓ C. p-group

✗ D. conjugative group

Question ID : **1034351199**

Q.7 Every nontrivial finite p-group has ____ centre.

Ans

✗ A. graphical

✗ B. nodal

✗ C. radial

✓ D. non trivial

Question ID : **1034351200**

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Q.8 **A _____ of a group G is a subgroup H such that αH = H for all automorphisms α of G.**

Ans

✗ A. argumented subgroup

✗ B. general subgroup

✓ C. characteristic subgroup

✗ D. normal subgroup

Question ID : **1034351194**

Q.9 **Which condition is not equivalent regarding the group theory ?**

Ans

✓ A. a∈G for all x ∈ G

✗ B. G1α1 ∩ G2α1 is a singleton {d1}

✗ C. G1α1 = G1

✗ D. G2α1 is a singleton {d1} with d1α1= d1

Question ID : **1034351197**

Q.10 **Which condition is not used to satisfy an internal direct product :**

Ans

✓ A. G1α1 = G1

✗ B. |G2 α1| = |G1 α2| = 1

✗ C. Every element of G1 commutes with every element of G2.

✗ D. G has a neutral identity element.

Question ID : **1034351196**

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Section : **Teaching Methodology**

Q.1 **In order to arrive at gender equalised school, a holistic approach involving various interventions is required. From following which one is holistic approach?**

Ans

✗ A. Provide programmes on role for parents to make them a part of their children's safety and security at school and while going to and from school.

✓ B. Training teachers in the skills for making the teaching and learning processes responsive to the specific needs of girls and boys.

✗ C. Make certain that campus security is in place so that all visitors are screened through the office and unusual incidents/visitors are handled carefully.

✗ D. Implement and enforce a policy for reporting child sexual abuse and handling disclosures from children.

Question ID : **1034351207**

Q.2 **Narration is an art in itself which aims_____**

Ans

✗ A. At presenting to participators

✓ B. At presenting to pupils

✗ C. At presenting to the speaker

✗ D. At presenting to the writers

Question ID : **1034351209**

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Q.3 _____of the UNCRPD deals with the right to education of persons with disabilities.

Ans
- ✗ A. Article 42
- ✓ B. Article 24
- ✗ C. Article 36
- ✗ D. Article 32

Question ID : **1034351212**

Q.4 Literacy skills specialised to history, science, mathematics, literature or other such matter is called?

Ans
- ✗ A. Foundational literacy
- ✓ B. Disciplinary Literacy
- ✗ C. Intermediate Literacy
- ✗ D. Basic Literacy

Question ID : **1034351205**

Q.5 What is the main objective of punishment to students?

Ans
- ✗ A. It is not a form of moral education
- ✗ B. It is a form of immoral learning
- ✓ C. It is a form of moral education.
- ✗ D. It is not a form of immoral learning

Question ID : **1034351203**

Q.6 Gender differences can be noticed in relation to physical activities. Females are more into domestic activities, whereas men are into_____?

Ans
- ✓ A. Manual labour
- ✗ B. Offspring care
- ✗ C. Domestic responsibilities
- ✗ D. cooking and care giving

Question ID : **1034351208**

Q.7 Which of the following is not a characteristic of good information?

Ans
- ✓ A. Costly
- ✗ B. Timely
- ✗ C. Reliable
- ✗ D. Valid

Question ID : **1034351210**

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Q.8 Which of this is a benefit of an Activity Based Curriculum ?

Ans

✗ A. To develop creative writing skills

✗ B. To develop acting skills

✗ C. To develop creative laughing skills

✓ D. To develop creative thinking skills

Question ID : **1034351204**

Q.9 Maths study can help person develop which of the following skill?

Ans

✓ A. better problem-solving skills

✗ B. Opening doors in research

✗ C. Discovering the beauty of the universe

✗ D. Awareness of the world

Question ID : **1034351206**

Q.10 Which is the first step towards evaluating?

Ans

✗ A. Define evaluation questions

✓ B. Define the purpose and parameters

✗ C. Identify the participants

✗ D. Select apt methods

Question ID : **1034351211**

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DSSSB TGT Maths (Female) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	13/09/2021
Test Time	12:30 PM - 2:30 PM
Subject	TGT Maths-(Female)

Section : **General Ability**

Q.1 **Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.**

Ans
- ✔ A. Nobel Prize
- ✘ B. Bharat Ratna
- ✘ C. Padma Bhushan
- ✘ D. Vir Chakra

Question ID : **9277596896**

Q.2 **In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.**
Statement:
Z < N; F ≥ N; F ≤ K
Conclusions:
I. K = N
II. K > Z

Ans
- ✘ A. Both conclusion I and II follow
- ✘ B. Either conclusion I or II follow
- ✘ C. Only conclusion I follows
- ✔ D. Only conclusion II follows

Question ID : **9277596900**

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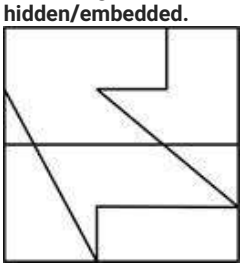
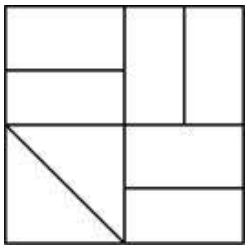
Q.3 From the given answer figures, select the one in which the question figure is hidden/embedded.

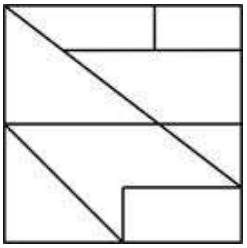


Ans

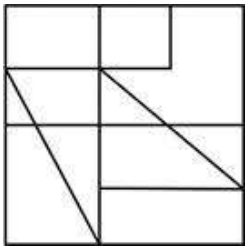
✗ A.



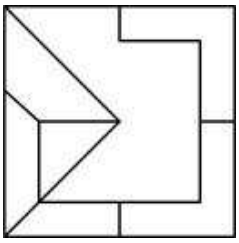
✗ B.



✓ C.



✗ D.



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Question ID : **9277596910**

Q.4 Find the missing number in the given series:
1, 3126, 3751, 3876, _, 3906

Ans

✗ A. 3899

✗ B. 3903

✗ C. 3905

✓ D. 3901

Question ID : **9277596904**

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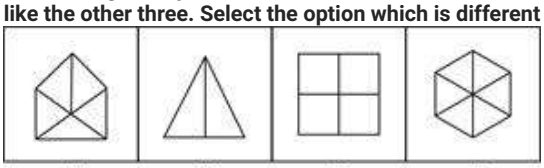
Q.5 There is a leakage at the bottom of the tank which can empty the tank in 60 hours. Pipe A can fill the tank in 10 hours while pipe B can empty the tank in 40 hours. If pipe A alone opened till 3/4th tank gets filled and then pipe B is opened. In how many hours tank gets completely filled?

Ans
- ✗ A. 74/7 hours
- ✗ B. 93/5 hours
- ✓ C. 93/7 hours
- ✗ D. 89/5 hours

Question ID : **9277596909**

Q.6 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.



Ans
- ✗ A. Image 3
- ✓ B. Image 2
- ✗ C. Image 4
- ✗ D. Image 1

Question ID : **9277596911**

Q.7 Find the wrong term in the given series.
1215, 1216, 1220, 1247, 1603

Ans
- ✗ A. 1220
- ✗ B. 1247
- ✓ C. 1603
- ✗ D. 1216

Question ID : **9277596899**

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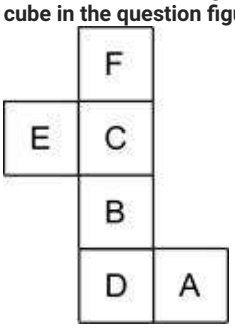
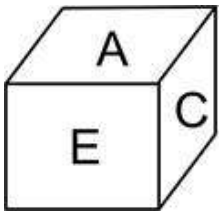
Q.8 **Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?**

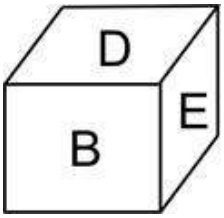


Ans

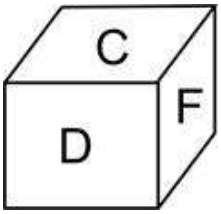
✗ A.



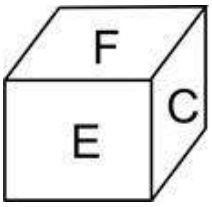
✗ B.



✓ C.



✗ D.



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Question ID : **9277596914**

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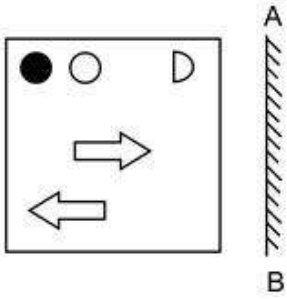
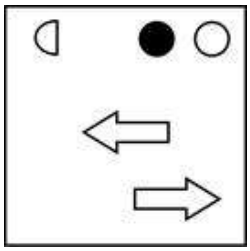
Q.9 If a mirror is placed on the line AB, then which of the answer figure is the correct mirror image of the given figure?

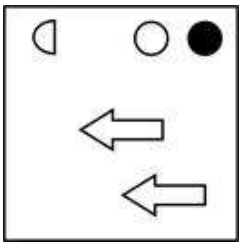


Ans

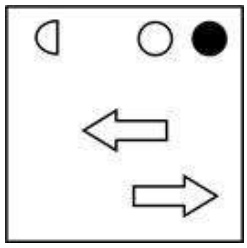
✗ A.



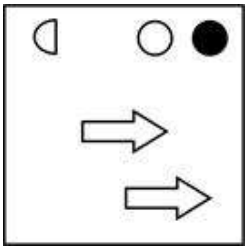
✗ B.



✔ C.



✗ D.



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Question ID : **9277596912**

Q.10 Study the following information carefully to answer the given question: C % 4 G7 $ Q 6 5 + 3 & L S # T 7 1 @
How many such numbers are there in the above arrangement each of which are immediately preceded by a number and followed by a symbol?

Ans

✗ A. One

✗ B. Three

✗ C. Four

✔ D. Two

Question ID : **9277596905**

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Q.11 Select the most logical course of action for the following scenario.

While driving the car, you hurt some one by accident. You _____.

Ans
✔ A. would stop the car, give him first aid and then take him to the doctor.
✘ B. would stop the car, give him first aid and then leave him there.
✘ C. would stop the car and will start arguing with him.
✘ D. would not stop your car and will go away.

Question ID : **9277596902**

Q.12 Complete the following letter series:
C, K, E, H, G, E, I, _

Ans
✘ A. D
✔ B. B
✘ C. K
✘ D. G

Question ID : **9277596898**

Q.13 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✘ A. LOSX
✘ B. CFJO
✘ C. XAEJ
✔ D. SVZD

Question ID : **9277596897**

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Q.14 Select the option that is related to the third term on the same basis as the second term is related to the first term.
CEHL : BDGK :: EGJN : ?

Ans
✘ A. CFIM
✘ B. CGIM
✔ C. DFIM
✘ D. DFJM

Question ID : **9277596895**

Q.15 How many such pairs of letters are there in the word 'PROMOTION', each of which has as many letters between them in the word (both forward and backward direction) as they have between them in the English Alphabet ?

Ans
✘ A. One
✘ B. Two
✘ C. Four
✔ D. Three

Question ID : **9277596906**

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Q.16 Six girls, Kusum, Chanda, Preeti, Simran, Priya, and Aarti, get the chance to become the monitor of their class for one day as per rotation policy. Days are from Monday to Saturday. Chanda becomes the monitor of the class four days after Preeti. One person became the monitor after Kusum but before Simran, also at least three people became monitor before Kusum. Who is the monitor of the class on Monday?

Ans
- ✗ A. Kusum
- ✗ B. Simran
- ✓ C. Preeti
- ✗ D. Chanda

Question ID : **9277596908**

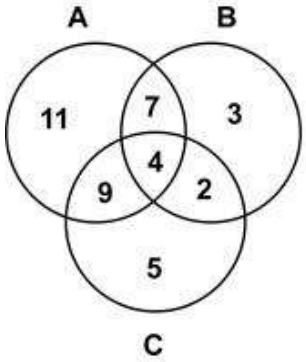
Q.17 At a family gathering, there are 6 members present - A, B, C, D, E, and F. C is the daughter of A, and her brother is D. F is the only child of E, and E is married to C. B is the mother of D. There are two couples present at the gathering. D's both parents are present in the gathering. There are four males in the family.
How is A related to F?

Ans
- ✓ A. Maternal grandfather
- ✗ B. Maternal grandmother
- ✗ C. Paternal grandfather
- ✗ D. Paternal grandmother

Question ID : **9277596907**

Q.18 In the following Venn Diagram, 'Group A' represents those who study 'Arts', 'Group B' represents those who study 'Commerce' and 'Group C' represents those 'Science'. The number given in the diagram represents the member of persons of that particular category.

How many persons study only Arts or only Commerce?



Ans
- ✓ A. 14
- ✗ B. 7
- ✗ C. 11
- ✗ D. 21

Question ID : **9277596913**

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Q.19 There are six persons P, Q, R, S, T, U who have different weights. Only two persons have less weight than T. R has less weight than Q but more than P. Q has a weight less than only two persons. U has more weight than S. How many persons have greater weight than R?

Ans
✗ A. Three
✗ B. Two
✓ C. Four
✗ D. One

Question ID : **9277596901**

Q.20 Study the following information to answer the question given below:
If a person wants to apply for the Indian passport he needs certain documents.
Documents required are:
1) Birth certificate
2) Aadhar card
3) Permanent address proof for more than 10 years.
4) Last educational qualification certificate.
If some of the above condition not fulfilled then,
1a) If a person does not have Birth certificate, then he must attach his 10th class certificate.
2a) If a person does not have Aadhar card, his passport will not be processed.
3a) If a person does not have permanent address proof then his parents passport should be attached and then his passport will be processed but will take 2 months extra time to issue the passport.
4) If 1, 2, and 3 not fulfilled and also he failed to show 1a), 2a), and 3a) his passport process will be rejected.
Sumit want to go abroad for further studies. He applied for Indian passport. He attached his parents Indian passports with his passport application since his father working in a private sector, they do not live in a city for more than 4 years. And for his birth certificate, he attached his 10th mark sheet. He also has an Aadhar card. He attached his graduation degree with the application form.

Ans
✗ A. His passport will not be processed.
✗ B. His passport will be rejected.
✗ C. His passport will be issued on time.
✓ D. It will take 2 months extra to issue the passport.

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Question ID : **9277596903**

Section : **General Awareness**

Q.1 Which among the following organisation has successfully conducted the third long-duration hot test of liquid fuel-powered, Vikas Engine for the Gaganyaan Program?

Ans
✓ A. ISRO(Indian Space Research Organisation)
✗ B. NASA(National Aeronautics and Space Administration)
✗ C. JAXA(Japan Aerospace Exploration Agency)
✗ D. CNSA(China National Space Administration)

Question ID : **9277596916**

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Q.2 When did Gandhiji start the 'Quit India Movement'?

Ans
- ✔ A. August 1942
- ✘ B. July 1942
- ✘ C. August 1949
- ✘ D. August 1945

Question ID : **9277596918**

Q.3 Where is the headquarter of WEF (World Economic Forum)?

Ans
- ✘ A. Manila
- ✘ B. Washington DC
- ✔ C. Geneva
- ✘ D. New York

Question ID : **9277596932**

Q.4 Who has launched the operation Sankalp to protect Indian vessels in the Gulf region?

Ans
- ✘ A. Indian Army
- ✘ B. Central Reserve Police force
- ✔ C. Indian Navy
- ✘ D. Indian Air force

Question ID : **9277596915**

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Q.5 Who among the following is known as the 'Flying Sikh'?

Ans
- ✘ A. Jesse Owens
- ✘ B. Mo Farah
- ✘ C. Usain Bolt
- ✔ D. Milkha Singh

Question ID : **9277596922**

Q.6 The ozone layer exists in which among the following regions of the atmosphere?

Ans
- ✘ A. Exosphere
- ✘ B. Mesosphere
- ✘ C. Thermosphere
- ✔ D. Stratosphere

Question ID : **9277596925**

Q.7 By which amendment act of the constitution, right to property has been taken away from Fundamental Rights?

Ans
- ✘ A. 55th Amendment
- ✘ B. 42nd Amendment
- ✘ C. 54th Amendment
- ✔ D. 44th Amendment

Question ID : **9277596920**

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Q.8 If Red Litmus changes to Blue, then what is the nature of the substances?

Ans
✗ A. Acidic
✗ B. hydrophobic
✗ C. Neutral
✓ D. Basic

Question ID : **9277596928**

Q.9 Who among the following has discovered Radium?

Ans
✓ A. Marie and Pierre Curie
✗ B. Henry Becquerel
✗ C. Michael Faraday
✗ D. Enrico Ferni

Question ID : **9277596930**

Q.10 From which of the following countries, Rugby originated?

Ans
✗ A. New Zealand
✗ B. Australia
✓ C. England
✗ D. India

Question ID : **9277596921**

Q.11 Which among the following is one of the objectives of NITI Aayog?

Ans
✗ A. To share vision related to election commission
✗ B. To share vision of good international relation
✗ C. To share vision of central oriented development
✓ D. To share vision of national development with the State.

Question ID : **9277596919**

Q.12 If 'B' is the radial outward velocity of galaxy, 'D' is the distance of galaxy from Earth, and 'H' is the Hubble constant. Then, B = ?

Ans
✗ A. H ÷ D
✗ B. H + D
✓ C. H × D
✗ D. H - D

Question ID : **9277596929**

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Q.13 In which among the following cities, headquarters of 'International Union for Conservation of Nature and Natural Resources' is located?

Ans
✗ A. London
✗ B. Vienna
✓ C. Gland
✗ D. Washington DC

Question ID : **9277596926**

Q.14 Who founded 'Brahmo Samaj'?

Ans
✗ A. Swami Vivekananda
✓ B. Raja Rammohan Roy
✗ C. Suredranath Banerjee
✗ D. Aurobindo Ghose

Question ID : **9277596917**

Q.15 Who has written 'Geetanjali'?

Ans
✗ A. M.K.Gandhi
✓ B. Rabindra Nath Tagore
✗ C. Vishnu Sharma
✗ D. Kalidas

Question ID : **9277596934**

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Q.16 Who is the author of 'A Dangerous Place'?

Ans
✗ A. Leo Tolstoy
✓ B. D.P.Moynihan
✗ C. Mark Twain
✗ D. Lewis Carrol

Question ID : **9277596933**

Q.17 According to Indian mythology, who sung Shiva Tandava Stotra?

Ans
✓ A. Ravana
✗ B. Kumbhkarana
✗ C. Tarakasura
✗ D. Vibhishana

Question ID : **9277596924**

Q.18 From which of the following states, 'Kathakali' dance has originated?

Ans
✗ A. Maharashtra
✓ B. Kerala
✗ C. Uttar Pradesh
✗ D. Bihar

Question ID : **9277596923**

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Q.19 Who has discovered X-Rays?

Ans
- ✗ A. Anderson
- ✗ B. Chadwick
- ✗ C. Becquerel
- ✓ D. Roentgen

Question ID : **9277596931**

Q.20 Where is the Central office of the RBI (Reserve Bank of India)?

Ans
- ✗ A. Delhi
- ✗ B. Pune
- ✗ C. Kolkata
- ✓ D. Mumbai

Question ID : **9277596927**

Section : **Arithmetic Ability**

Q.1 What will come in the place of question mark(?) in the following question?

54% of 700 + 25% of 616 = 39% of 1300 + ?

Ans
- ✓ A. 25
- ✗ B. 65
- ✗ C. 15
- ✗ D. 35

Question ID : **9277596935**

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Q.2 Two trains A and B are running in opposite directions. Speed of A is thrice as speed of B and they cross each other in 56 seconds. If the train A passes a standing man in 54 seconds then, what is the time taken by train B to cross the same person?

Ans
- ✗ A. 45 sec
- ✓ B. 62 sec
- ✗ C. 54 sec
- ✗ D. 68 sec

Question ID : **9277596952**

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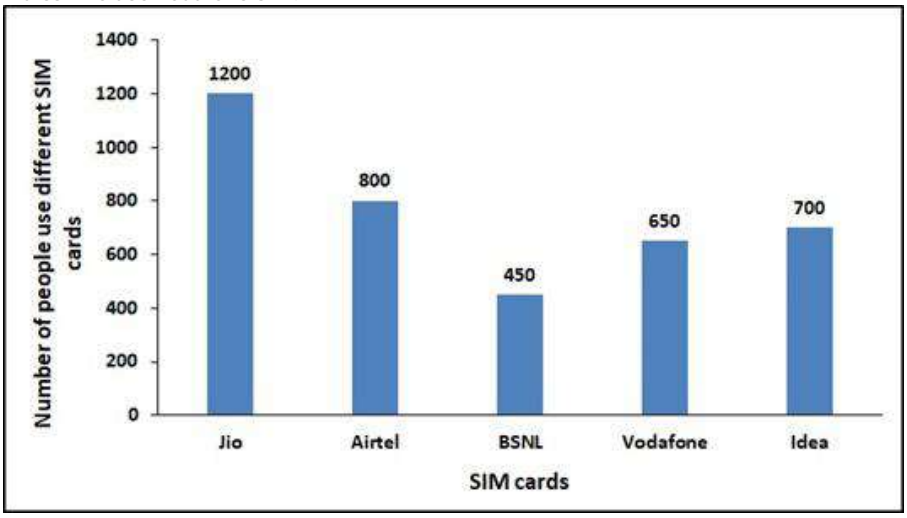
Q.3 The bar graph represents the number of people in a district who use different SIM cards. If ratio of Male and female in Jio SIM and Vodafone SIM is 5:3 and 6:7 respectively, then find the number of females who use Jio SIM is what percent more/less than the number of males who use Vodafone SIM.



Ans
✗ A. 55%
✗ B. 45%
✗ C. 40%
✓ D. 50%

Question ID : **9277596953**

Q.4 Aman, Bittu, Chaman and Dinesh are 4 members in a family. The age of Aman is (2/3)rd of the average age of a family. The age of Bittu is 80% of the age of Aman. The age of Dinesh is 150% more than the age of Bittu. Find the age of Aman if the difference between the age of Chaman and Dinesh is 5 years.

Ans
✗ A. 20 years
✗ B. 50 years
✓ C. 25 years
✗ D. 55 years

Question ID : **9277596945**

Q.5 Six bells commence tolling together and toll at intervals of 3, 4, 5, 6, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?

Ans
✗ A. 15
✗ B. 30
✓ C. 31
✗ D. 16

Question ID : **9277596938**

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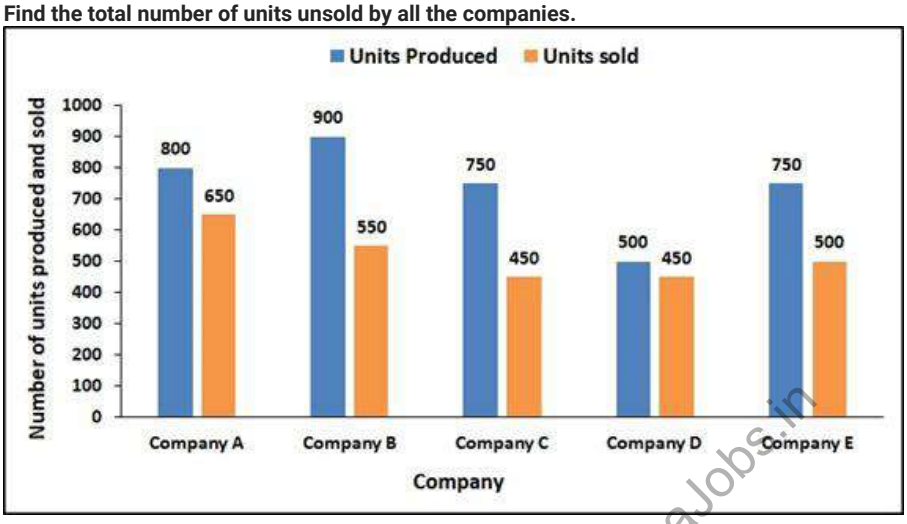
Q.6 The sum of the ages of Sourav, Gourav and Vaskar is 102 years. The ratio of their ages 12 years ago 1 : 2 : 3. What is the present age of Vaskar?

Ans
✗ A. 44 years
✗ B. 33 years
✓ C. 45 years
✗ D. 38 years

Question ID : **9277596941**

Q.7 The graph show the number of units produced and number of units sold by different companies.
Find the total number of units unsold by all the companies.



Ans
✗ A. 900
✗ B. 1200
✗ C. 1000
✓ D. 1100

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Question ID : **9277596954**

Q.8 The slant height of a right circular cone is 5 m and its height is 4 m. Find its curved surface area.

Ans
✗ A. 25π sq. m
✗ B. 30π sq. m
✗ C. 20π sq. m
✓ D. 15π sq. m

Question ID : **9277596950**

Q.9 The cost price of a packet milk is Rs. 30 per litre but a trader is labelling it as Rs. 40 per litre. Also he mixes 50% water and gives a 30% discount. Find the Profit Percentage of trader.

Ans
✗ A. 50%
✓ B. 40%
✗ C. 45%
✗ D. 25%

Question ID : **9277596947**

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Q.10 What approximate value will come in the place of question mark(?) in the following question?

497.01 + 12.97 - 55.03 = ? % of 500

Ans
✔ A. 91
✘ B. 19
✘ C. 34
✘ D. 81

Question ID : **9277596936**

Q.11 Let N be the greatest number that will divide 1205, 4265 and 6705, leaving the same remainder in each case. Then sum of the digits in N is:

Ans
✔ A. 2
✘ B. 4
✘ C. 3
✘ D. 1

Question ID : **9277596939**

Q.12 A fruit seller had some mangoes. He sells 45% of them and still has 550 mangoes. Find the number of mangoes he initially had.

Ans
✘ A. 1200
✔ B. 1000
✘ C. 1600
✘ D. 900

Question ID : **9277596942**

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Q.13 The average of five consecutive numbers is 57. Find the difference between the highest and lowest number among these 5 numbers.

Ans
✘ A. 3
✔ B. 4
✘ C. 8
✘ D. 2

Question ID : **9277596944**

Q.14 The population of a town increased from 75,000 to 1,00,00 in a decade. The percent increase of population in a decade is:

Ans
✘ A. 20%
✘ B. 30%
✔ C. 33.33%
✘ D. 25%

Question ID : **9277596943**

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Q.15 What will come in the place of question mark(?) in the following question?

(3/7) ÷ (4/3) × (7/9) × 9 ÷ 3 = ?

Ans
✗ A. 1.25
✗ B. 0.5
✗ C. 1
✓ D. 0.75

Question ID : **9277596937**

Q.16 P, Q and R started a business by investing Rs. 4050, Rs. 4500 and Rs. 6000 respectively. After 6 months R withdrew Rs. 1500 while P invested Rs. 4500 more. In annual profit of Rs. 6420, the share of P will exceed that of R by:

Ans
✓ A. Rs. 420
✗ B. Rs. 220
✗ C. Rs. 350
✗ D. Rs. 320

Question ID : **9277596946**

Q.17 The present ages of A and B are in the ratio 7 : 9. After 'x' years the ratio of their ages becomes 4 : 5 and 'x + 6' years ago the ratio of their ages was 18 : 25. Find the sum of their ages after 'x' years.

Ans
✓ A. 126 years
✗ B. 120 years
✗ C. 130 years
✗ D. 136 years

Question ID : **9277596940**

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Q.18 A tank is filled by a pipe in 4 hours. It is observed that due to leakage the tank is filled in 5(1/3) hours. Find the time taken by leakage to drain out all the water of the tank.

Ans
✗ A. 12 hours
✗ B. 13 hours
✗ C. 15 hours
✓ D. 16 hours

Question ID : **9277596951**

Q.19 If the ratio between Simple interest of 2 years and the Difference between Compound interest to simple interest of 2 years is 20 : 1. Find out the rate of interest per annum.

Ans
✓ A. 10%
✗ B. 25%
✗ C. 12.5%
✗ D. 5%

Question ID : **9277596949**

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Q.20 A trader buys goods at a 15% discount on the label price. If he wants to make a profit of 20% after allowing a discount of 40%. By what percent should his marked price be greater than the original label price?

Ans
✗ A. 50%
✗ B. 60%
✗ C. 40%
✓ D. 70%

Question ID : **9277596948**

Section : **General English**

Q.1 The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.

The UN was established after World War II with the aim of preventing future wars, succeeding the ineffective League of Nations.

P. The Charter was adopted on 25 June 1945 and took effect on 24 October 1945, when the UN began operations.

Q. On 25 April 1945, 50 governments met in San Francisco for a conference and started drafting the UN Charter.

R. It also ensures delivering humanitarian aid, promoting sustainable development, and upholding international law.

S. Pursuant to the Charter, the organization's objectives include maintaining international peace and security, protecting human rights.

At its founding, the UN had 51 member states; with the addition of South Sudan in 2011, membership is now 193, representing almost all of the world's sovereign states.

Ans
✗ A. PQRS
✓ B. QPSR
✗ C. SQRP
✗ D. SRQP

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Question ID : **9277596962**

Q.2 Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

Ans
✓ A. SEVENTIETH
✗ B. SEVENTETH
✗ C. SEVENTEITH
✗ D. SEVENTITH

Question ID : **9277596963**

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Q.3 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

This is abundantly declared in / their official documents and by / there acknowledgment representatives.

Ans
✗ A. No Error

✓ B. there acknowledgment representatives.

✗ C.
This is abundantly declared in

✗ D. their official documents and by

Question ID : **9277596955**

Q.4 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

Pass out of an elite institution / and making a distinctive fashion / statement is a double wallop.

Ans
✓ A. Pass out of an elite institution

✗ B. statement is a double wallop.

✗ C. No Error

✗ D. and making a distinctive fashion

Question ID : **9277596956**

Q.5 **Select the word that is opposite in meaning (ANTONYM) to the word given below.**

PASSIVE

Ans
✓ A. IMPATIENT

✗ B.
HARMONY

✗ C.
SLANDEROUS

✗ D.
APATHETIC

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Question ID : **9277596966**

Q.6 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

The goalie (returned), with head bowed in contrition, as the ref showed him the yellow card.

Ans
✓ A. retreated

✗ B. went back

✗ C. retrenched

✗ D. No correction required

Question ID : **9277596958**

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Q.7 **Fill in the blank with the most appropriate choice.**

Beneath the postmodern gloss of its bright shiny surfaces lies a cleverly _____ core of rational modernity

Ans
- ✗ A. beseeched
- ✗ B. blemished
- ✓ C. disguised
- ✗ D. jilted

Question ID : **9277596959**

Q.8 **The sentences below are not complete. There are four options for each question. Choose the best word to complete the sentence.**

A decent living politician is one who is not actively corrupt, rude, _____, vile or idiotic.

Ans
- ✗ A. delightful
- ✓ B. obnoxious
- ✗ C. amiable
- ✗ D. pleasant

Question ID : **9277596960**

Q.9 **Select the most appropriate meaning for the word given below.**

Cache

Ans
- ✗ A. A large burial ground, especially one not in a churchyard.
- ✗ B. A Large container.
- ✓ C. A collection of items of the same type stored in a hidden or inaccessible place.
- ✗ D. A large bedroom for a number of people in a school or institution.

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Question ID : **9277596967**

Q.10 **Select the most appropriate meaning of the given idiom.**

Buckle down

Ans
- ✓ A. To start to work hard
- ✗ B. To hold your stance.
- ✗ C. To slow down
- ✗ D. To reduce weight.

Question ID : **9277596968**

Q.11 **Choose the right synonym for " barbaric"**

Ans
- ✗ A. Kind
- ✗ B. Civilized
- ✓ C. Savage
- ✗ D. Barber-like

Question ID : **9277596957**

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Q.12 **Select the most appropriate meaning of the given proverb.**

A word to the wise.

Ans
✗ A. A two minute guest speech.

✗ B. A wise man speaks less.

✓ C. A good piece of advice.

✗ D. To have a quick talk.

Question ID : **9277596969**

Q.13 **Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.**

Mandarin; simplified Chinese:

P. 'speech of officials' is a group of Sinitic

Q. which includes the Beijing dialect, the basis

R. (Chinese) language natively spoken across

S. most of northern and southwestern China

of the phonology of Standard Chinese.

Ans
✓ A. PRSQ

✗ B. SQRP

✗ C. SQPR

✗ D. QPSR

Question ID : **9277596961**

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Q.14 **Select the word that is similar in meaning (SYNONYM) to the word given below.**

INSULAR

Ans
✗ A. PENINSULAR

✗ B.
UNBIASED

✗ C.
CONTINENT

✓ D.
DETACHED

Question ID : **9277596964**

Q.15 **Select the word that is similar in meaning (SYNONYM) to the word given below.**

SALACIOUS

Ans
✗ A.
MORAL

✗ B.
CONSPIRACY

✓ C. OBSCENE

✗ D.
CLEAN

Question ID : **9277596965**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who lived in Paris. He was known as the creative director of the French fashion house Chanel, a position held from 1983 until his death, and was also creative director of the Italian fur and leather goods fashion house Fendi, and of his own eponymous fashion label. He collaborated on a variety of fashion and art-related projects. Lagerfeld was recognized for his signature white hair, black sunglasses, fingerless gloves, and high, starched, detachable collars. Lagerfeld was known to misrepresent his birth year, claiming to be younger than his actual age, and to misrepresent his parents' background. For example, he claimed that he was born in 1938 to "Elisabeth of Germany" and Otto Ludwig Lagerfeldt from Sweden. These claims have been conclusively proven to be false, as his father was from Hamburg and spent his entire life in Germany, with no Swedish connection. There is also no evidence that his mother Elisabeth Bahlmann, the daughter of a middle-class local politician, called herself "Elisabeth of Germany". He was known to insist that no one knows his real birth date. In an interview on French television in February 2009, Lagerfeld said that he was "born neither in 1933 nor 1938".

SubQuestion No : 16

Q.16 Two assertions are given below (A & B) on the basis of your understanding of the passage, which one of the assertions is correct?

A. His claims of being born in 1938 to Elisabeth of Germany and Otto Ludwig Lagerfeldt from Sweden are false.

B. Karl Lagerfeld was known as the creative director of the French fashion house Fendi, a position he held from 1983 until his death.

Ans

✗ A. A is incorrect and B is correct

✓ B. A is correct and B is incorrect

✗ C. Both are correct.

✗ D. Both are incorrect.

Question ID : **9277596973**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who lived in Paris. He was known as the creative director of the French fashion house Chanel, a position held from 1983 until his death, and was also creative director of the Italian fur and leather goods fashion house Fendi, and of his own eponymous fashion label. He collaborated on a variety of fashion and art-related projects. Lagerfeld was recognized for his signature white hair, black sunglasses, fingerless gloves, and high, starched, detachable collars. Lagerfeld was known to misrepresent his birth year, claiming to be younger than his actual age, and to misrepresent his parents' background. For example, he claimed that he was born in 1938 to "Elisabeth of Germany" and Otto Ludwig Lagerfeldt from Sweden. These claims have been conclusively proven to be false, as his father was from Hamburg and spent his entire life in Germany, with no Swedish connection. There is also no evidence that his mother Elisabeth Bahlmann, the daughter of a middle-class local politician, called herself "Elisabeth of Germany". He was known to insist that no one knows his real birth date. In an interview on French television in February 2009, Lagerfeld said that he was "born neither in 1933 nor 1938".

SubQuestion No : 17

Q.17 Two assertions are given below (A & B) on the basis of your understanding of the passage, which one of the assertions is correct?

A. Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who was born in London.

B. He was known to insist that no one knows his real birth date.

Ans

✗ A. Both are correct.

✗ B. A is correct and B is incorrect

✗ C. Both are incorrect.

✓ D. A is incorrect and B is correct

Question ID : **9277596972**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who lived in Paris. He was known as the creative director of the French fashion house Chanel, a position held from 1983 until his death, and was also creative director of the Italian fur and leather goods fashion house Fendi, and of his own eponymous fashion label. He collaborated on a variety of fashion and art-related projects. Lagerfeld was recognized for his signature white hair, black sunglasses, fingerless gloves, and high, starched, detachable collars. Lagerfeld was known to misrepresent his birth year, claiming to be younger than his actual age, and to misrepresent his parents' background. For example, he claimed that he was born in 1938 to "Elisabeth of Germany" and Otto Ludwig Lagerfeldt from Sweden. These claims have been conclusively proven to be false, as his father was from Hamburg and spent his entire life in Germany, with no Swedish connection. There is also no evidence that his mother Elisabeth Bahlmann, the daughter of a middle-class local politician, called herself "Elisabeth of Germany". He was known to insist that no one knows his real birth date. In an interview on French television in February 2009, Lagerfeld said that he was "born neither in 1933 nor 1938".

SubQuestion No : 18

Q.18 Karl Lagerfeld was not recognized for which of the following?

Ans

✗ A. Signature white hair

✗ B. Fingerless gloves

✗ C. Detachable collars

✓ D. Gold chains

Question ID : **9277596974**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who lived in Paris. He was known as the creative director of the French fashion house Chanel, a position held from 1983 until his death, and was also creative director of the Italian fur and leather goods fashion house Fendi, and of his own eponymous fashion label. He collaborated on a variety of fashion and art-related projects. Lagerfeld was recognized for his signature white hair, black sunglasses, fingerless gloves, and high, starched, detachable collars. Lagerfeld was known to misrepresent his birth year, claiming to be younger than his actual age, and to misrepresent his parents' background. For example, he claimed that he was born in 1938 to "Elisabeth of Germany" and Otto Ludwig Lagerfeldt from Sweden. These claims have been conclusively proven to be false, as his father was from Hamburg and spent his entire life in Germany, with no Swedish connection. There is also no evidence that his mother Elisabeth Bahlmann, the daughter of a middle-class local politician, called herself "Elisabeth of Germany". He was known to insist that no one knows his real birth date. In an interview on French television in February 2009, Lagerfeld said that he was "born neither in 1933 nor 1938".

SubQuestion No : 19

Q.19 What is the meaning of 'eponymous' from the given passage?

Ans

✔ A. One for whom or which something is or is believed to be named.

✘ B. Collaborate with another company

✘ C. Something that works on its own.

✘ D. Something that causes confusion.

Question ID : **9277596975**

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Comprehension:

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

Karl Otto Lagerfeld was a German creative director, fashion designer, artist, photographer, and caricaturist who lived in Paris. He was known as the creative director of the French fashion house Chanel, a position held from 1983 until his death, and was also creative director of the Italian fur and leather goods fashion house Fendi, and of his own eponymous fashion label. He collaborated on a variety of fashion and art-related projects. Lagerfeld was recognized for his signature white hair, black sunglasses, fingerless gloves, and high, starched, detachable collars. Lagerfeld was known to misrepresent his birth year, claiming to be younger than his actual age, and to misrepresent his parents' background. For example, he claimed that he was born in 1938 to "Elisabeth of Germany" and Otto Ludwig Lagerfeldt from Sweden. These claims have been conclusively proven to be false, as his father was from Hamburg and spent his entire life in Germany, with no Swedish connection. There is also no evidence that his mother Elisabeth Bahlmann, the daughter of a middle-class local politician, called herself "Elisabeth of Germany". He was known to insist that no one knows his real birth date. In an interview on French television in February 2009, Lagerfeld said that he was "born neither in 1933 nor 1938".

SubQuestion No : 20

Q.20 What is the meaning of 'Caricaturist' from the given passage?

Ans

✔ A. The art of creating representations.

✘ B. A person who cultures fabrics.

✘ C. A person who studies different cultures.

✘ D. Someone who exaggerates.

Question ID : **9277596971**

Section : **General Hindi**

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Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के काल का सही विकल्प हो।
राधा ने पौधों को पानी दिया है|

Ans
✗ A. सामान्य भूतकाल
✗ B. अपूर्ण भूतकाल
✗ C. संदिग्ध भूतकाल
✓ D. आसन्न भूतकाल

Question ID : **9277596983**

Q.2 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए वृत्ति के भेद का सबसे अच्छा विकल्प है।
संभव है आज मेहमान घर आए|

Ans
✗ A. विध्यर्थ
✗ B. संदेहार्थ
✓ C. संभावनार्थ
✗ D. संकेतार्थ

Question ID : **9277596984**

Q.3 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध शब्द का सही विकल्प है।

Ans
✗ A. परितोसिक
✗ B. पारीतोषिक
✗ C. परितोशिक
✓ D. पारितोषिक

Question ID : **9277596980**

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Q.4 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
लोहा लेना -

Ans
✗ A. हरा देना
✓ B. युद्ध करना
✗ C. कीमती सामान खरीदना
✗ D. लज्जित होना

Question ID : **9277596989**

Q.5 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो सही वाक्य भेद का विकल्प हो।
मैंने उसे चुप रहने के लिए कहा, लेकिन उसने मेरी बात नहीं सुनी|

Ans
✓ A. संयुक्त वाक्य
✗ B. मिश्र वाक्य
✗ C. सरल वाक्य
✗ D. विधानवाचक वाक्य

Question ID : **9277596985**

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Q.6 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प हो।

Ans
✔ A. कल रविवार है; छुट्टी का दिन है; आराम मिलेगा|
✘ B. कल रविवार है; छुट्टी का दिन है; आराम मिलेगा?
✘ C. कल रविवार है छुट्टी का दिन है आराम मिलेगा|
✘ D. कल रविवार है-छुट्टी का दिन है-आराम मिलेगा|

Question ID : **9277596987**

Q.7 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई मुहावरे का सही अर्थ वाला विकल्प है।
पौ बारह होना -

Ans
✘ A. व्यर्थ समय गंवाना
✘ B. संदेह होना
✔ C. अत्यधिक लाभ होना
✘ D. धोखा देना

Question ID : **9277596990**

Q.8 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए शब्द के सही अर्थ का उचित विकल्प नहीं है।
पंडित

Ans
✘ A. मनीषी
✔ B. वल्लभ
✘ C. पारंगत
✘ D. विज्ञ

Question ID : **9277596979**

Q.9 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो भाववाचक संज्ञा का सही विकल्प नहीं है।

Ans
✘ A. दूरी
✘ B. सुखदायी
✔ C. सुखद
✘ D. धिक्कार

Question ID : **9277596978**

Q.10 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए लोकोक्ति का सही अर्थ वाला विकल्प है।
गाँव का जोगी जोगना, आन गाँव का सिद्ध -

Ans
✘ A. अधिक परिश्रम से कम लाभ
✘ B. अवसरवादी होना
✘ C. पास की वस्तु को दूर खोजना
✔ D. अपने स्थान पर सम्मान नहीं होता

Question ID : **9277596988**

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Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो रिक्त स्थान के लिए उपयुक्त शब्द का सही विकल्प है ।
हताशा, निराशा और असफलता जैसे शब्द हमारे जीवन के शब्दकोष में _____ होने चाहिए|

Ans
✗ A. सदा
✗ B. शुद्ध
✓ C. नहीं
✗ D. ज़रूर

Question ID : **9277596982**

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो देशज शब्द का सही विकल्प हो।

Ans
✗ A. मौसम
✗ B. शादी
✓ C. लोटा
✗ D. दंगल

Question ID : **9277596976**

Q.13 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो कोष्ठक में दिए गए शब्द के अनुसार विशेषण के भेद वाला विकल्प हो।
मेरे लिए (थोडा सा) खाना लेकर आओ।

Ans
✗ A. निश्चित संख्यावाचक
✓ B. परिमाणवाचक
✗ C. सार्वनामिक
✗ D. अनिश्चित संख्यावाचक

Question ID : **9277596977**

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Q.14 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए शब्द-युग्म के सही अर्थ का उचित विकल्प हो।
स्वेद-श्वेत

Ans
✗ A. पकवान-फल
✗ B. मस्तक-उजला
✓ C. पसीना-उजला
✗ D. पसीना-हल

Question ID : **9277596981**

Q.15 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए पक्ष के भेद का सबसे अच्छा विकल्प है।
अब तक हम काफी खाना बना चुके हैं!

Ans
✗ A. नित्यताद्योतक
✓ B. पूर्णताद्योतक
✗ C. सातप्यद्योतक
✗ D. प्रगतिद्योतक

Question ID : **9277596986**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
सत्संग से लौकिक और पारलौकिक दोनों प्रकार के सुख प्राप्त होते हैं| यदि कोई मनुष्य इस जीवन में दुखी रहता है तो कम से कम कुछ समय के लिए श्रेष्ठ पुरुषों की संगति में वह अपने सांसारिक दुखों का विस्मरण कर देता है| महापुरुषों के उपदेश सदैव सुख शांति प्रदान करते हैं| दुख के समय मनुष्य जिनका स्मरण करके धीरज प्राप्त करता है| सत्संग में लीन रहने वाले मनुष्य को दुखों का भय नहीं रहता है| वह अपने दिल को समझता है, जिससे दुखों का कोई कारण ही शेष नहीं रह जाता| सत्संग के प्रभाव से धैर्य का लाभ होता है जिससे मन में क्षमा की शक्ति स्वयं ही आ जाती है| क्षमा सभी प्रकार के दुर्गुणों का विनाश कर देती है और मन को शांति व संतोष प्रदान करती है|

SubQuestion No : 16

Q.16 परोपकार रूपी गुण किसको किससे अलग करता है?

Ans
✔ A. मानव को पशु से
✘ B. जीव को मानव से
✘ C. मानव को मनुष्य से
✘ D. मानव को ईश्वर से

Question ID : **9277596993**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
सत्संग से लौकिक और पारलौकिक दोनों प्रकार के सुख प्राप्त होते हैं| यदि कोई मनुष्य इस जीवन में दुखी रहता है तो कम से कम कुछ समय के लिए श्रेष्ठ पुरुषों की संगति में वह अपने सांसारिक दुखों का विस्मरण कर देता है| महापुरुषों के उपदेश सदैव सुख शांति प्रदान करते हैं| दुख के समय मनुष्य जिनका स्मरण करके धीरज प्राप्त करता है| सत्संग में लीन रहने वाले मनुष्य को दुखों का भय नहीं रहता है| वह अपने दिल को समझता है, जिससे दुखों का कोई कारण ही शेष नहीं रह जाता| सत्संग के प्रभाव से धैर्य का लाभ होता है जिससे मन में क्षमा की शक्ति स्वयं ही आ जाती है| क्षमा सभी प्रकार के दुर्गुणों का विनाश कर देती है और मन को शांति व संतोष प्रदान करती है|

SubQuestion No : 17

Q.17 इस अनुच्छेद का कोई उपयुक्त शीर्षक-

Ans
✘ A. परोपकार के अनेक रूप
✔ B. परोपकार ही सच्ची मानवता है
✘ C. योग्य जीव मनुष्य
✘ D. स्वार्थ और परमार्थ

Question ID : **9277596996**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
सत्संग से लौकिक और पारलौकिक दोनों प्रकार के सुख प्राप्त होते हैं| यदि कोई मनुष्य इस जीवन में दुखी रहता है तो कम से कम कुछ समय के लिए श्रेष्ठ पुरुषों की संगति में वह अपने सांसारिक दुखों का विस्मरण कर देता है| महापुरुषों के उपदेश सदैव सुख शांति प्रदान करते हैं| दुख के समय मनुष्य जिनका स्मरण करके धीरज प्राप्त करता है| सत्संग में लीन रहने वाले मनुष्य को दुखों का भय नहीं रहता है| वह अपने दिल को समझता है, जिससे दुखों का कोई कारण ही शेष नहीं रह जाता| सत्संग के प्रभाव से धैर्य का लाभ होता है जिससे मन में क्षमा की शक्ति स्वयं ही आ जाती है| क्षमा सभी प्रकार के दुर्गुणों का विनाश कर देती है और मन को शांति व संतोष प्रदान करती है|

SubQuestion No : 18

Q.18 अनुच्छेद के अनुसार सच्ची मानवता क्या है ?

Ans
✔ A. दूसरों के लिए सब न्योछावर कर देना
✘ B. पशुओं के लिए सब न्योछावर कर देना
✘ C. ईश्वर के लिए सब न्योछावर कर देना
✘ D. अपने लिए सब न्योछावर कर देना

Question ID : **9277596992**

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Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
सत्संग से लौकिक और पारलौकिक दोनों प्रकार के सुख प्राप्त होते हैं| यदि कोई मनुष्य इस जीवन में दुखी रहता है तो कम से कम कुछ समय के लिए श्रेष्ठ पुरुषों की संगति में वह अपने सांसारिक दुखों का विस्मरण कर देता है| महापुरुषों के उपदेश सदैव सुख शांति प्रदान करते हैं| दुख के समय मनुष्य जिनका स्मरण करके धीरज प्राप्त करता है| सत्संग में लीन रहने वाले मनुष्य को दुखों का भय नहीं रहता है| वह अपने दिल को समझता है, जिससे दुखों का कोई कारण ही शेष नहीं रह जाता| सत्संग के प्रभाव से धैर्य का लाभ होता है जिससे मन में क्षमा की शक्ति स्वयं ही आ जाती है| क्षमा सभी प्रकार के दुर्गुणों का विनाश कर देती है और मन को शांति व संतोष प्रदान करती है|

SubQuestion No : 19

Q.19 इनमें से कौन-सा परमार्थ का विलोम शब्द है?

Ans
✔ A. स्वार्थ
✘ B. मोक्ष
✘ C. निर्वाण
✘ D. भलाई

Question ID : **9277596995**

Comprehension:

नीचे दिए गये गद्यांश के बाद 5 प्रश्न दिए गये हैं। इस गद्यांश को ध्यानपूर्वक पढ़ें और चार विकल्पों में से प्रत्येक प्रश्न का सर्वोत्तम उत्तर चुनें।
सत्संग से लौकिक और पारलौकिक दोनों प्रकार के सुख प्राप्त होते हैं| यदि कोई मनुष्य इस जीवन में दुखी रहता है तो कम से कम कुछ समय के लिए श्रेष्ठ पुरुषों की संगति में वह अपने सांसारिक दुखों का विस्मरण कर देता है| महापुरुषों के उपदेश सदैव सुख शांति प्रदान करते हैं| दुख के समय मनुष्य जिनका स्मरण करके धीरज प्राप्त करता है| सत्संग में लीन रहने वाले मनुष्य को दुखों का भय नहीं रहता है| वह अपने दिल को समझता है, जिससे दुखों का कोई कारण ही शेष नहीं रह जाता| सत्संग के प्रभाव से धैर्य का लाभ होता है जिससे मन में क्षमा की शक्ति स्वयं ही आ जाती है| क्षमा सभी प्रकार के दुर्गुणों का विनाश कर देती है और मन को शांति व संतोष प्रदान करती है|

SubQuestion No : 20

Q.20 परोपकार के अंतर्गत व्यक्ति दूसरों की सहायता कर किसकी प्राप्ति करता है?

Ans
✘ A. बाहरी ज्ञान की
✔ B. आत्मिक आनन्द की
✘ C. बलिदान की
✘ D. दिखावे की

Question ID : **9277596994**

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Section : **Discipline1**

Q.1 The points a,b,c,d, taken in that order, in the complex plane are the vertices of a parallelogram if__?

Ans
✘ A. $a-b=b-c$
✔ B. $a+c=b+d$
✘ C. $a+b=c+d$
✘ D. $a+b=b+c$

Question ID : **9277597006**

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Q.2 When is a curve said to be symmetric about the pole or origin?

Ans
- ✗ A. if curve changes when r is replaced by 2r
- ✗ B. if curve doesn't change when r is replaced by 2r
- ✓ C. if curve doesn't change when r is replaced by -r
- ✗ D. if curve changes when r is replaced by -r

Question ID : **9277597000**

Q.3 The surface area of a sphere of radius a is

Ans
- ✗ A. $4\pi a$
- ✓ B. $4\pi a^2$
- ✗ C. $-4\pi a^2$
- ✗ D. 0

Question ID : **9277597001**

Q.4 Find the number of anti symmetric relations on set A having 2 elements?

Ans
- ✗ A. 16
- ✗ B. 10
- ✗ C. 14
- ✓ D. 12

Question ID : **9277597008**

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Q.5 Which theorem states that "Every bounded sequence has at least a limit point"?

Ans
- ✓ A. Bolzano weierstrass theorem
- ✗ B. Initial value problem
- ✗ C. Sandwich theorem
- ✗ D. Representation theorem

Question ID : **9277597016**

Q.6 What condition holds for perpendicularity of 2 vectors?

Ans
- ✗ A. one of the two vectors is zero
- ✗ B. their cross product is zero
- ✗ C. the vectors are equal
- ✓ D. their dot product is zero

Question ID : **9277597004**

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Q.7 Which of the following is not included in general method to draw a algebraic curve for tracing ?

Ans
- ✔ A. orthogonality
- ✘ B. region
- ✘ C. tangent to the curve
- ✘ D. symmetry

Question ID : **9277596999**

Q.8 The congruence relation ax=b(mod m) has a unique solution if ?

Ans
- ✘ A. gcd(a,m) is any non zero number
- ✔ B. gcd(a,m)=1
- ✘ C. gcd(a,m)=m
- ✘ D. gcd(a,m) is any prime number

Question ID : **9277597011**

Q.9 The graph of a quadratic equation $y=ax^2+bx+c$ is a parabola, when it will be upwards and downwards curve?

Ans
- ✘ A. it will never be open downwards
- ✘ B. it will never be open upwards
- ✘ C. it will be open upwards if $a<0$ and downwards if $a>0$
- ✔ D. it will be open upwards if $a>0$ and downwards if $a<0$

Question ID : **9277597005**

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Q.10 The inverse of 3 modulo 7 is _____?

Ans
- ✔ A. -2
- ✘ B. -1
- ✘ C. -3
- ✘ D. -4

Question ID : **9277597009**

Q.11 Which of the following is correct for the function $f(x)= x^3-3x^2-9x-1$?

Ans
- ✘ A. it neither has local maximum not local minimum
- ✔ B. it has local maximum at -1 and local minimum at 3
- ✘ C. it has local maximum at 3 but has no local minimum
- ✘ D. it has local maximum at 3 and local minimum at -2

Question ID : **9277596998**

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Q.12 When the fluid (F) is incompressible then which of following condition holds ?

Ans
- ✔ A. div(F)=0
- ✘ B. div(F) is non zero
- ✘ C. F=0
- ✘ D. scalar product vanishes

Question ID : **9277597002**

Q.13 A real number sequence <f_n> is said to be oscillating finitely if?

Ans
- ✘ A. it is not convergent
- ✘ B. it is not bounded; it is not convergent; it is not divergent
- ✔ C. it is not divergent
- ✘ D. it is not bounded

Question ID : **9277597015**

Q.14 If A = 2i+j+k B=4i+j-k find A.B ?

Ans
- ✘ A. 10
- ✔ B. 8
- ✘ C. 11
- ✘ D. 9

Question ID : **9277597003**

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Q.15 If f be a function defined in [a, b] and is twice differentiable, then it is said to be concave upwards if:

Ans
- ✘ A. f''(x)<0 for all x
- ✘ B. f'(x)<0 for all x
- ✘ C. f'(x)>0 for all x
- ✔ D. f''(x)>0 for all xϵ [a,b]

Question ID : **9277596997**

Q.16 Euler function is:

Ans
- ✘ A. onto but not one one
- ✘ B. onto
- ✔ C. neither one one nor onto
- ✘ D. one one

Question ID : **9277597010**

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Q.17 Identify the set in which supremum of set is equal to infimum of the set?

Ans

✗ A. empty

✗ B. {a,b}

✗ C. {1,2,3}

✓ D. {a}

Question ID : **9277597014**

Q.18 To reduce the matrix to row echleon form the leading entry of each row must be?

Ans

✗ A. 2

✗ B. 0

✓ C. 1

✗ D. -1

Question ID : **9277597013**

Q.19 Let A be an n×m matrix with each entry equal to +1, -1 or 0 such that every column has exactly one +1 and exactly one -1 then what can u say about rank of the matrix?

Ans

✗ A. rank(A)=n-1,

✗ B. rank(A)=n<m

✗ C. rankA=m

✓ D. rankA<=n-1

Question ID : **9277597012**

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Q.20 If |A|= 4 , find the number of partitions of A ?

Ans

✓ A. 15

✗ B. 20

✗ C. 10

✗ D. 25

Question ID : **9277597007**

Section : **Discipline2**

Q.1 For what value of k does the function f(x,y)= 3xy; where (x,y)is not equal to(2,3) and k whenever (x,y)=(2,3)?

Ans

✗ A. 6

✗ B. 8

✓ C. 18

✗ D. 12

Question ID : **9277597034**

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Q.2 Logistic growth equation is given by?

Ans
✗ A. rN/K
✗ B. rN/(k(k-N))
✓ C. rN((K-N)/K)
✗ D. rN(K-N)

Question ID : **9277597024**

Q.3 Find the limit of the function f(n)= 1/n where n approaches infinity

Ans
✗ A. 3
✓ B. 0
✗ C. 2
✗ D. 1

Question ID : **9277597030**

Q.4 Pick the true statement

Ans
✓ A. Every convergent sequence is cauchy sequence
✗ B. series always converges to a finite number
✗ C. No Cauchy sequence is convergent
✗ D. every convergent sequence is not bounded

Question ID : **9277597018**

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Q.5 Find the limit point of the sequence <1+1/n>?

Ans
✗ A. 0
✗ B. 2
✓ C. 1
✗ D. -1

Question ID : **9277597019**

Q.6 Let A is a subset of R and f:A to R is given by $f(x)=x^2$, then f is uniformly continuous if ?

Ans
✓ A. A is bounded subset of R
✗ B. A is dense subset of R
✗ C. A is unbounded
✗ D. A is open

Question ID : **9277597017**

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Q.7 Many scientists use mathematical model to convert data into__?

Ans
✔ A. model
✘ B. raw form
✘ C. passage
✘ D. system

Question ID : **9277597022**

Q.8 The infinite series -1-3-5-7..... diverges to?

Ans
✘ A. one
✘ B. infinity
✘ C. zero
✔ D. negative of infinity

Question ID : **9277597020**

Q.9 Let A={z∈C : |z|>1} B = {z∈C:z is not equal to 0} then which is the false statement?

Ans
✘ A. there is a non constant Analytic function f:A-->B
✘ B. there is a continuous onto function f:A-->B
✔ C. there is a non constant Analytic function from f:B-->A
✘ D. there is a continuous function one to one function f:B-->A

Question ID : **9277597033**

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Q.10 Function f(x,y) is said to be continuous at (a,b) whenever |f(x,y)-f(a,b)|<∈ if?

Ans
✘ A. no such function exists
✔ B. |y-b|<delta both follow.
✘ C. |x-a|<delta
✘ D. |y-b|<delta

Question ID : **9277597035**

Q.11 (B(x,y) symmetric group of order n) is a closed subspace of (B(x,y) group of order n) for what value of n?

Ans
✘ A. for n having zero value
✘ B. for infinite n
✔ C. n greater than or equal to 2
✘ D. for n equal to one

Question ID : **9277597028**

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Q.12 What will we do to make the given differential equation exact?

Ans
✗ A. we bipolarate the same
✗ B. we do integration on both sides
✗ C. we divide it by its derivatives
✓ D. we multiply it with integrating factor

Question ID : **9277597023**

Q.13 The solution of the initial value problem xy'-y=0 with y(1)= 1 is?

Ans
✗ A. y=2x-1
✗ B. y=1/x
✗ C. y=1/(2x-1)
✓ D. y=x

Question ID : **9277597026**

Q.14 Change in number of individuals in population over a period of time is called____

Ans
✗ A. logistic growth
✗ B. sigmoid growth
✗ C. exponential growth
✓ D. population growth

Question ID : **9277597025**

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Q.15 Find the limit of function f(x,y)=x+2y as(x,y)-->(1,2) ?

Ans
✗ A. 2
✗ B. 4
✗ C. 3
✓ D. 5

Question ID : **9277597036**

Q.16 All non trivial solutions of $x^2y''+xy'+4xy$ are?

Ans
✗ A. unbounded
✗ B. bounded and periodic
✗ C. periodic
✓ D. bounded and non periodic

Question ID : **9277597027**

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Q.17 If L be a limit point of the sequence <A> then there exists a subsequence <B> of the sequence <A> which converges to?

Ans
- ✗ A. 2L
- ✗ B. 4L
- ✗ C. 3L
- ✓ D. L

Question ID : **9277597032**

Q.18 Which rule is used to calculate limits when the function reaches to indeterminate forms?

Ans
- ✗ A. C and D rule
- ✓ B. L' Hospital's rule
- ✗ C. Leibnitz rule
- ✗ D. Cinco rule

Question ID : **9277597031**

Q.19 Local minimizer u of J is isolated if there exists p>0 and for u in S we have?

Ans
- ✓ A. J(u)<J(v)
- ✗ B. J(v) is possible
- ✗ C. J(u) is possible
- ✗ D. J(u)>J(v)

Question ID : **9277597029**

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Q.20 The infinite series ∑cos (1/n) where n goes from 1 to infinity is?

Ans
- ✗ A. oscillates finitely
- ✓ B. divergent
- ✗ C. finite
- ✗ D. convergent

Question ID : **9277597021**

Section : **Discipline3**

Q.1 Find the value of f(x, y)=8x+5y-7 at (x,y) =(1,2)

Ans
- ✓ A. 11
- ✗ B. 13
- ✗ C. 12
- ✗ D. 14

Question ID : **9277597040**

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Q.2 The divergence of a vector field A is always equal to zero if the vector field A can be expressed as ?

Ans

✗ A. the divergence of vector field

✓ B. the curl of any vector field

✗ C. divergence of any scalar field: Is this option a direct eliminator? Better change it

✗ D. gradient of any scalar field

Question ID : **9277597047**

Q.3 Evaluate the double integral $x\sin(x+y)dxdy$ over $R=[0,\pi;0,\pi/2]$?

Ans

✓ A. $\pi-2$

✗ B. -2π

✗ C. $\pi+2$

✗ D. 2π

Question ID : **9277597043**

Q.4 For the function to be Riemann integrable what will be the condition in terms of affecting the power series?

Ans

✗ A. lower integral is less then upper integral

✗ B. upper integral does not exist

✓ C. lower integral is same as upper integral

✗ D. lower integral does not exist

Question ID : **9277597056**

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Q.5 Find the interior of {1,2,3,4,}?

Ans

✗ A. {3}

✗ B. {1}

✗ C. {2}

✓ D. empty

Question ID : **9277597052**

Q.6 If R is the position vector, then divR is equal to

Ans

✗ A. 2

✓ B. 3

✗ C. 1

✗ D. 4

Question ID : **9277597041**

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Q.7 The limit points of <1,0,2,1,0,2,1,0,2….>? Is/are:

Ans

✗ A. 2 only

✗ B. 0 only

✗ C. 1 only

✓ D. 1,0,2

Question ID : **9277597054**

Q.8 The line integrals can be converted to surface integral using ------- in multiple connected domain?

Ans

✗ A. Riemann equation

✗ B. Sandwich theorem

✓ C. Green's theorem

✗ D. Baire's Sandwich theorem

Question ID : **9277597045**

Q.9 In which case improper integral becomes equal to Riemann integrable?

Ans

✓ A. as a special case of Lebesgue integral

✗ B. sometimes differentiable

✗ C. never possible

✗ D. occurs somehow

Question ID : **9277597050**

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Q.10 Which of the following function contains odd terms in the expansion of Taylor's series?

Ans

✗ A. $\cos(x^2)$

✗ B. $\sin(x^2)$

✓ C. $\sin(x^3)$

✗ D. $\cos(x^3)$

Question ID : **9277597039**

Q.11 A function is said to be Riemann integrable of over [a,b] s.t.any number L lying between L(f,P) and U(f,P) s.t. for $\epsilon>0$ s.t.?

Ans

✗ A. contractive

✗ B. $|U(P,f)-L|>\epsilon$

✓ C. $|U(f,P)-L|<\epsilon$ and $|L-L(f,P)|<\epsilon$

✗ D. $|L-L(f,P)|>\epsilon$

Question ID : **9277597048**

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Q.12 Find radius of convergence of ∞∑n=0 (x−7)^((n+1)/n^n).?

Ans
✗ A. 2
✗ B. 0
✗ C. 1
✓ D. infinity

Question ID : **9277597055**

Q.13 The necessary and sufficient condition for Taylor's theorem is that ?

Ans
✗ A. f is continuous
✗ B. f should exist
✓ C. f has higher derivatives
✗ D. f is not differentiable

Question ID : **9277597038**

Q.14 The area bounded by the curve y=2√x,y=-x,x=1 and x=4 is given by ?

Ans
✗ A. 25
✓ B. 101/6
✗ C. (1/56)
✗ D. (1/2)

Question ID : **9277597044**

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Q.15 Function f:[a,b]-->R ,P and Q are partition of [a,b] s.t. P is contained in Q then ?

Ans
✓ A. L(f,P)<=L(f,Q)
✗ B. L(f,P)>=U(f,Q)
✗ C. one is true other is false
✗ D. both never hold

Question ID : **9277597049**

Q.16 If p and q are positive numbers and $p^2+q^2=1$ then maximum value of p+q is?

Ans
✗ A. 14
✗ B. √3
✓ C. √2
✗ D. infinity

Question ID : **9277597042**

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Q.17 The set of limit points of a sequence is:

Ans
✗ A. open set
✓ B. closed set
✗ C. neither open nor closed
✗ D. both open and closed

Question ID : **9277597053**

Q.18 The domain of cos(x) is ___?

Ans
✓ A. [-1,1]
✗ B. [0,1]
✗ C. [-1,0]
✗ D. [1,2]

Question ID : **9277597037**

Q.19 Pick the wrong statement?

Ans
✗ A.
Discontinuity occurs at both upper and lower limits of the function
✗ B.
Improper integral of 2nd kind has discontinuity at lower limit
✗ C.
Improper integral of 2nd kind has discontinuity at upper limit
✓ D. discontinuity always occurs at upper limit

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Question ID : **9277597051**

Q.20 Green's theorem is used to ?

Ans
✗ A. bipolarate the same:
✓ B. solve 2-D flow equation
✗ C. volume of plane figures
✗ D. parameter of plane figures

Question ID : **9277597046**

Section : **Discipline4**

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Q.1 A set G with one binary operation which is closed as well as associative is called?

Ans

✗ A. monoid

✓ B. semigroup

✗ C. group

✗ D. groupoid

Question ID : **9277597070**

Q.2 Find the domain of the function defined by f(z)=z/(z+z') where z' denotes complex conjugate of z?

Ans

✗ A. re(z)=0

✗ B. Im(z) is not equal to 0

✓ C. re(z) is not equal to 0

✗ D. Im(z)=0

Question ID : **9277597076**

Q.3 Let A be a subset of R. which of the following properties imply A is compact?

Ans

✗ A.
there is no one one and continuous function from A onto (0,1)

✗ B.
Every sequence {x} in A has no convergent subsequence converging to a point in A

✗ C. there exists a continuous function from A onto [0,1]

✓ D. Every continuous function f from A to R is bounded

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Question ID : **9277597062**

Q.4 The symmetric property in a metric space is

Ans

✗ A. d(x,y)<0

✗ B. d(x,y)>0

✓ C. d(x,y)=d(y,x)

✗ D. d(x,y)=0

Question ID : **9277597058**

Q.5 How many subgroups(p) of non cyclic groups G is possible?

Ans

✗ A. p+2

✗ B. p+1

✗ C. p

✓ D. p+3

Question ID : **9277597071**

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Q.6 A metric space defined by {d(x,y)=r for all x,y€ R} is called as

Ans
✗ A. open ball
✗ B. set
✗ C. algebra
✓ D. sphere

Question ID : **9277597060**

Q.7 Choose the wrong statement

Ans
✗ A. every non abelian group has abelian subgroup
✗ B. a subgroup of a cyclic group is cyclic
✓ C. Klein's group is not abelian
✗ D. Every element generates a cyclic subgroup of its own order

Question ID : **9277597069**

Q.8 Let K be a group with 8 elements. Let H be a subgroup of K and H<K. It is known that the size of H is at least 3. The size of H is?

Ans
✓ A. 4
✗ B. 3
✗ C. 2
✗ D. 1

Question ID : **9277597065**

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Q.9 Which property does not hold as a binary operation in groups?

Ans
✗ A. multiplication
✓ B. subtraction
✗ C. Matrix multiplication
✗ D. addition

Question ID : **9277597067**

Q.10 Which is known as multiplicative identity of group with respect to external binary operation?

Ans
✗ A. R
✗ B. Q
✓ C. 1
✗ D. 0

Question ID : **9277597068**

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Q.11 Continuous function C[a,b] from a to b is called

Ans
✗ A. cyclic
✗ B. not bounded
✓ C. bounded function
✗ D. not defined

Question ID : **9277597059**

Q.12 Number of onto homomorphism from Klein's group to Symmetric group of order 4?

Ans
✗ A. 3
✓ B. does not exist
✗ C. 2
✗ D. 1

Question ID : **9277597064**

Q.13 Integrate $1/(z^3-1)^2$, the counter clockwise around the circle $|z-1|=1$?

Ans
✗ A. $4\pi i$
✗ B. $2\pi i$
✗ C. $-2\pi i/9$
✓ D. $-4\pi i/9$

Question ID : **9277597075**

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Q.14 If $f(z)= u+iv$ is an analytic function in domain D then?

Ans
✗ A. u and v are parallel
✗ B. u and v bipolarate each other
✓ C. u and v form orthogonal family
✗ D. u and v intersect each other

Question ID : **9277597074**

Q.15 A linear operator define by T in metric space is said to be bounded iff?

Ans
✗ A. T(x) is positive
✗ B. T(x) is negative
✗ C. $||T(x)||$ exists
✓ D. $||T(x)||<k||x||$

Question ID : **9277597061**

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Q.16 For what values of z the function defined by the equation z=sinhu.cosv+isinhu.sinv ; w=u+iv ceases to be analytic?

Ans

✗ A. 1

✓ B. +i ,-i

✗ C. -1

✗ D. 0

Question ID : **9277597073**

Q.17 What are maximal subgroups of Klein's group?

Ans

✗ A. {e,a},{e,b},{e,c}

✗ B. {e,a}

✗ C. {e,b}

✓ D. {e,c}

Question ID : **9277597072**

Q.18 The external direct product of two groups is abelian if and only if?

Ans

✗ A. one is abelian

✗ B.
other is abelian - What option is this? Is this not included in the previous option itself?

✗ C.
both are not abelian - do you mean None is abelian - if so, better change it like that

✓ D. both are abelian

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Question ID : **9277597066**

Q.19 For any two subsets X and Y let X+Y = { x+y:x∈X , y∈Y} then find the wrong one?

Ans

✗ A. if X is closed Y is compact then X+Y is closed

✓ B. If X and Y are closed then X+Y is closed

✗ C. if X and Y are compact then X+Y is compact

✗ D. if X and Y are open sets then X+Y is open

Question ID : **9277597063**

Q.20 A metric space X is said to be complete if

Ans

✗ A. if every convergent sequence in it is bounded

✓ B. if every Cauchy sequence in X converges in X

✗ C. if Cauchy sequence in X is not convergent

✗ D.
if every Cauchy sequence in X has more than 2 convergent subsequences

Question ID : **9277597057**

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Section : **Discipline5**

Q.1 **Which theorem connects the result <T(x),y>=<x,z>?**

Ans

✗ A. Picard theorem

✓ B. Riesz representative theorem

✗ C. Hahn Banach Theorem

✗ D. Hilbert Theorem

Question ID : **9277597086**

Q.2 If u = (1,0,1) v = (0,1,1) find the cosine of angle between these two vectors using inner product?

Ans

✗ A. 0

✗ B. (1/4)

✓ C. (1/2)

✗ D. (1/3)

Question ID : **9277597085**

Q.3 Find the residue of $z^3/(z^2-1)$ at z = infinity?

Ans

✗ A. 1

✗ B. -2

✗ C. 2

✓ D. -1

Question ID : **9277597082**

Q.4 Find the residue of $(2z+1)/((z+1)(z-1))$ at z=1?

Ans

✗ A. (1/2)

✓ B. (3/2)

✗ C. (7/2)

✗ D. (5/2)

Question ID : **9277597081**

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Q.5 Evaluate the integral (1/z)dz where C is the circle z=e^(ib) where 0<b<π?

Ans

✗ A. -πi

✗ B. 2πi

✓ C. πi

✗ D. 0

Question ID : **9277597077**

Q.6 Which of the following is not a polynomial ring?

Ans

✗ A. R[x]

✗ B. C[x]

✗ C. Q[x]

✓ D. R[x]-Z[x]

Question ID : **9277597083**

Q.7 Choose the wrong statement

Ans

✗ A. If R is integral domain then unit of R and R[x] are same

✗ B. If R is integral domain then R[x] is also an integral domain

✗ C. R[x] is infinite ring

✓ D. R[x] is not CRU

Question ID : **9277597084**

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Q.8 How many real roots are possible for the equation $x^5-x^4+x^3-1=0$?

Ans

✗ A. atleast two real roots

✗ B. no real root

✓ C. at least one real root

✗ D. atleast three real roots

Question ID : **9277597078**

Q.9 The line integral of function F = yzi, in the counterclockwise direction, along the circle $x^2+y^2 = 1$ at z = 1 is?

Ans

✗ A. 2

✗ B. 0

✓ C. πi

✗ D. -πi

Question ID : **9277597079**

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Q.10 What will be the minimum degree of polynomial with integer coefficients, having roots $2-\sqrt{5},3,4$?

Ans

✗ A. 1

✓ B. 4

✗ C. 2

✗ D. 3

Question ID : **9277597080**

Section : **Teaching Methodology**

Q.1 **CIC stands for ___.**

Ans

✓ A. Classroom interactional competence

✗ B. Competent interactional classroom

✗ C. Competent intern classroom

✗ D. Competent institutional classroom

Question ID : **9277597089**

Q.2 **Constructivist theory in education is based on ___**

Ans

✗ A. the knowledge from the book they learn

✗ B. the idea that learn from the society

✓ C. the idea that people actively construct or make their own knowledge

✗ D. the idea that teacher give

Question ID : **9277597088**

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Q.3 **In 2009 which Shiksha Abhiyan was launched ?**

Ans

✗ A. The primary Section

✗ B. The Secondary Section

✓ C. The Rashtriya Madhyamik

✗ D. The Prabhakar Madhyamik

Question ID : **9277597096**

Q.4 **Which pairs help participants to develop interpersonal skills, confidence, communication, and assertiveness?**

Ans

✓ A. Mix gender

✗ B. Male

✗ C. Female

✗ D. Transgender

Question ID : **9277597091**

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Q.5 **Which colour is regarded as masculine?**

Ans
- ✔ A. Blue
- ✘ B. Pink
- ✘ C. Red
- ✘ D. Grey

Question ID : **9277597092**

Q.6 **_____ is the major means of learning.**

Ans
- ✘ A. Reading
- ✘ B. Practice
- ✔ C. Experience
- ✘ D. Writing

Question ID : **9277597095**

Q.7 **Educational realism is the belief that we should study _____, critical thinking, and the scientific method to teach students to perceive and understand reality.**

Ans
- ✘ A. incoherent
- ✘ B. fallacy
- ✘ C. irrational
- ✔ D. logic

Question ID : **9277597087**

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Q.8 **Which one is not a part of Organisation and Integration of Learning Experiences and Content?**

Ans
- ✘ A. Available learning situations in school
- ✘ B. Inputs for effective classroom interaction
- ✔ C. Principles of teachers
- ✘ D. Developmental level of learning

Question ID : **9277597094**

Q.9 **Hard applied discipline emphasizes on which of the following?**

Ans
- ✘ A. Emphasize Process and Protocols
- ✘ B. Emphasize discoveries and Explanations
- ✔ C. Emphasize Products and techniques
- ✘ D. Emphasize understanding and interpretation

Question ID : **9277597090**

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Q.10 From following which is not a type of Blog?

Ans

✗ A. Personal blog

✗ B. Micro blog

✗ C. Group blog

✓ D. Social blog

Question ID : **9277597093**

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DSSSB TGT Maths (Female) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	13/09/2021
Test Time	4:30 PM - 6:30 PM
Subject	TGT English-(Male)

Section : **General Ability**

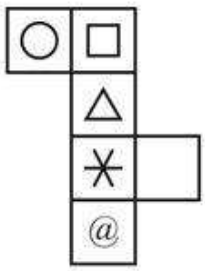
Q.1 निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित अक्षरों को चुनिए।

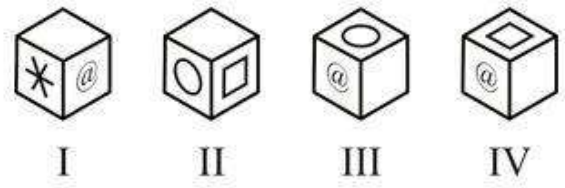
AF : DI :: JR : ?

Ans
- ✗ A. NU
- ✗ B. NV
- ✓ C. MU
- ✗ D. MV

Question ID : **54062621146**

Q.2 दिए गए कागज को मोड़ने पर, निम्नलिखित में से कौन सा घन नहीं बनाया जा सकता है?





Ans
- ✗ A. II, III तथा IV
- ✓ B. II तथा III
- ✗ C. I, II तथा IV
- ✗ D. I तथा IV

Question ID : **54062621162**

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Q.3 निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित शब्द युग्म को चुनिए।

चाकू : काटना :: ?

Ans
✗ A. बढ़ाना : लाउडस्पीकर
✗ B. कलम : किताब
✓ C. कुदाली : खोदनी
✗ D. देखना : दूरबीन

Question ID : **54062621147**

Q.4 निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम शब्द को चुनिए।

Ans
✗ A. पेंसिल
✗ B. कागज
✓ C. विद्यालय
✗ D. शॉर्पनर

Question ID : **54062621145**

Q.5 एक विशिष्ट कोड भाषा में, 'MEDICINE' को 'OHHNHMQG' लिखा जाता है। इस कोड भाषा में 'GAMBLERS' का कोड क्या है?

Ans
✓ A. IDQGQIUU
✗ B. IDQGRIUU
✗ C. IDQGQIUV
✗ D. IDQGQIVU

Question ID : **54062621148**

Q.6 एक लड़का उत्तर की ओर 20 मीटर चलता है। वह दायीं ओर मुड़ता है तथा 40 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 30 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 100 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 10 मीटर चलता है। अंततः, वह बायीं ओर मुड़ता है तथा 30 मीटर चलता है। वह आरंभिक बिंदु से अब कितनी दूर तथा कौन सी दिशा में है?

Ans
✓ A. 50 मीटर उत्तर-पश्चिम
✗ B. 40 मीटर दक्षिण-पूर्व
✗ C. 50 मीटर दक्षिण-पूर्व
✗ D. 40 मीटर उत्तर-पश्चिम

Question ID : **54062621159**

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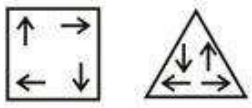
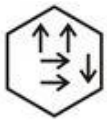
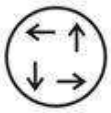
Q.7 कौन सी आकृति दी गई आकृतियों के समान है?

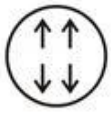


Ans

✗ A.

✗ B. 

✓ C. 

✗ D. 

Question ID : **54062621160**

Q.8 नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए कथनों को सही माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथन:
I. कोई भी P, R नहीं है।
II. कुछ P, T हैं।

निष्कर्ष:
I. कुछ T, R नहीं हैं।
II. कुछ T, P हैं।

Ans

✓ A. दोनों निष्कर्ष I तथा II अनुसरण करते हैं

✗ B. कोई भी निष्कर्ष अनुसरण नहीं करता है

✗ C. केवल निष्कर्ष II अनुसरण करता है

✗ D. केवल निष्कर्ष I अनुसरण करता है

Question ID : **54062621152**

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Q.9 निम्नलिखित प्रश्न में दिए गए विकल्पों में से प्रश्न चिन्ह (?) के स्थान पर आने वाली संख्या को चुनिए।

25	18	19
16	41	20
25	13	9
22	24	?

Ans
✔ A. 16
✘ B. 22
✘ C. 14
✘ D. 18

Question ID : **54062621155**

Q.10 निम्नलिखित शब्दों को शब्दकोश में आने वाले क्रम के अनुसार लिखें।

1. Yeastiness
2. Yearningly
3. Yesteryear
4. Yourselves
5. Yellowfins

Ans
✘ A. 12534
✔ B. 21534
✘ C. 12354
✘ D. 21354

Question ID : **54062621144**

Q.11 निम्नलिखित प्रश्न में दी गई श्रृंखला में से लुप्त अंक ज्ञात कीजिए।

77, 49, 36, 18, ?

Ans
✘ A. 9
✘ B. 4
✔ C. 8
✘ D. 5

Question ID : **54062621154**

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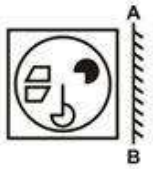
Q.12 यदि एक दर्पण को AB रेखा पर रखा जाए, तो दी गई उत्तर आकृतियों में से कौन सी आकृति प्रश्न आकृति की सही प्रतिबिंब होगी?



Ans

✗ A.

✗ B.

✗ C.

✓ D.

Question ID : **54062621161**

Q.13 एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

L2, F4, Z8, T16, ?

Ans
✓ A. N32

✗ B. N64

✗ C. M64

✗ D. M32

Question ID : **54062621143**

Q.14 एक पुरूष पश्चिम की ओर 30 कि.मी. चलता है। वह दायीं ओर मुड़ता है तथा 27 कि.मी. चलता है। वह बायीं ओर मुड़ता है तथा 31 कि.मी. चलता है। वह दायीं ओर मुड़ता है तथा 45 कि.मी. चलता है। वह बायीं ओर मुड़ता है तथा 50 कि.मी. चलता है। अंततः, वह बायीं ओर मुड़ता है तथा 10 कि.मी. चलता है। अब वह किस दिशा की ओर देख रहा है?

Ans
✗ A. पश्चिम

✗ B. उत्तर

✓ C. दक्षिण

✗ D. पूर्व

Question ID : **54062621158**

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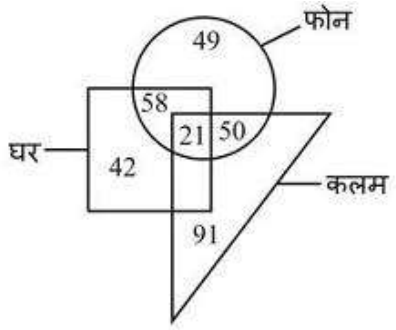
Q.15 B, C का भाई है। F, C की माता है। D, B की बहन है। C, G का पिता है। B, G से किस प्रकार संबंधित है?

Ans
✔ A. चाचा
✘ B. दादा
✘ C. पुत्र
✘ D. भाई

Question ID : **54062621149**

Q.16 दिए गए वेन आरेख के आधार पर, निम्नलिखित में से कौन सा/से कथन सही है/हैं?

I. फोनों की कुल संख्या 178 है।
II. वह कलम जो ना ही घर ना ही फोन है, की संख्या 91 है।



Ans
✘ A. ना ही I ना ही II
✘ B. केवल II
✘ C. केवल I
✔ D. I तथा II दोनों

Question ID : **54062621157**

Q.17 छह महिलाएँ P, Q, R, S, T तथा U छह विभिन्न कपड़े C1, C2, C3, C4, C5 तथा C6 में से एक कपड़ा पहनती है। (जरूरी नहीं की इसी क्रम में हो)। S तथा U, C2 नहीं पहनती है। P या तो C3 या C5 पहनती है। Q तथा T क्रमशः C1 तथा C6 पहनती है। U, C4 या C5 नहीं पहनती है। S, C3 नहीं पहनती है। निम्नलिखित में से कौन सा कथन सही है?

I. P, C5 पहनती है।
II. R, C2 पहनती है।

Ans
✘ A. केवल I
✘ B. ना ही I ना ही II
✔ C. I तथा II दोनों
✘ D. केवल II

Question ID : **54062621150**

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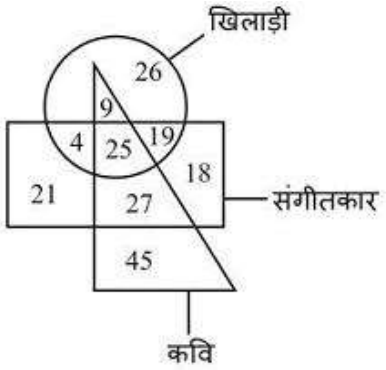
Q.18 आठ व्यक्ति A, B, C, D, E, F, G तथा H एक वृत्ताकार मेज के इर्द-गिर्द केंद्र की ओर मुख करके बैठते हैं (जरूरी नहीं की इसी क्रम में हो)। B तथा D के बीच में दो व्यक्ति बैठते हैं। A तथा D के बीच में दो व्यक्ति बैठते हैं। F तथा E के बीच में तीन व्यक्ति बैठते हैं। C, E के तुरंत दायीं ओर बैठता है। A, H के तुरंत दायीं ओर बैठता है।
निम्नलिखित में से कौन सा कथन सही है?

I. G, F के तुरंत बायीं ओर बैठता है।
II. H, B के तुरंत बायीं ओर बैठता है।
III. A तथा C के बीच में एक व्यक्ति बैठता है।

Ans
✗ A. II तथा III
✗ B. I, II तथा III
✗ C. I तथा II
✓ D. I तथा III

Question ID : **54062621151**

Q.19 कवियों की कुल संख्या क्या है?



Ans
✓ A. 106
✗ B. 36
✗ C. 72
✗ D. 45

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Question ID : **54062621156**

Q.20 नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए कथनों को सही माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथन:
I. सभी D, N हैं।
II. कुछ P, N हैं।
III. सभी Q, D हैं।

निष्कर्ष:
I. कुछ P, D हैं।
II. सभी Q, N हैं।
III. कुछ Q, P हैं।

Ans
✓ A. केवल निष्कर्ष II अनुसरण करता है
✗ B. केवल निष्कर्ष III अनुसरण करता है
✗ C. केवल निष्कर्ष I अनुसरण करता है
✗ D. सभी निष्कर्ष अनुसरण करते हैं

Question ID : **54062621153**

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Section : **General Awareness**

Q.1 भारत का पहला राज्य कौन सा है जिसने हर घर में छत वर्षाजल संग्रहण ढाँचों का बनाना आवश्यक करा था?

Ans
- ✗ A. केरल
- ✗ B. गुजरात
- ✗ C. राजस्थान
- ✓ D. तमिलनाडु

Question ID : **54062621171**

Q.2 निम्नलिखित में से कौन सा अनधिमान वक्र के संदर्भ में सही है?

I. अनधिमान वक्र दाएं से बाएं नीचे की ओर ढलाव होते है
II. उच्च अनधिमान वक्र, उपयोगिता के उच्च स्तर को प्रदान करता है

Ans
- ✓ A. I तथा II दोनों
- ✗ B. केवल II
- ✗ C. ना तो I ना तो II
- ✗ D. केवल I

Question ID : **54062621166**

Q.3 निम्नलिखित में से कौन मानव निर्मित पारितंत्र का एक उदाहरण है?

Ans
- ✗ A. तालाब
- ✗ B. झील
- ✗ C. वन
- ✓ D. खेत

Question ID : **54062621167**

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Q.4 जल का अपवर्तनांक _____ होता है।

Ans
- ✗ A. 1.9
- ✓ B. 1.33
- ✗ C. 2.42
- ✗ D. 2.1

Question ID : **54062621168**

Q.5 निम्नलिखित में से कौन सा कथन सही है?

I. एंजियोस्पर्म को पुष्पी पादप भी कहा जाता है।
II. पाइनस तथा साइकस, एंजियोस्पर्म के उदाहरण हैं।

Ans
- ✗ A. I तथा II दोनों
- ✓ B. केवल I
- ✗ C. ना ही I ना ही II
- ✗ D. केवल II

Question ID : **54062621169**

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Q.6 'डेविस कप' किस खेल से संबंधित है?

Ans
✗ A. क्रिकेट
✓ B. टेनिस
✗ C. फुटबॉल
✗ D. गोल्फ

Question ID : **54062621181**

Q.7 भारतीय पुरूष हॉकी टीम के कप्तान कौन हैं जिसने टोक्यो ओलंपिक 2020 (2021 में खेला गया) में कांस्य पदक जीता है?

Ans
✓ A. मनप्रीत सिंह
✗ B. जसकरण सिंह
✗ C. राजकुमार पाल
✗ D. वीरेंद्र लोकरा

Question ID : **54062621182**

Q.8 राष्ट्रकूट वंश के संस्थापक _____ थे।

Ans
✓ A. दंतीदुर्ग
✗ B. विजयालय
✗ C. कृष्णा II
✗ D. अमोघवर्ष

Question ID : **54062621174**

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Q.9 Which of the following is an instrument of monetary policy used by RBI?

I. Repo Rate
II. Bank Rate
III. Open Market Operations

Ans
✗ A. I and III
✗ B. I and II
✗ C. II and III
✓ D. I, II and III

Question ID : **54062621165**

Q.10 निम्नलिखित में से कौन सा कथन सही है?

I. आंतरिक प्रवास जनसंख्या के आकार में परिवर्तन लाता है।
II. कृषि प्राथमिक क्रियाकलाप के अंतर्गत आता है।

Ans
✓ A. केवल II
✗ B. I तथा II दोनों
✗ C. ना ही I ना ही II
✗ D. केवल I

Question ID : **54062621172**

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Q.11 "पंखिड़ा" किस राज्य का क्षेत्रीय संगीत है?

Ans
✗ A. उत्तर प्रदेश
✗ B. महाराष्ट्र
✓ C. राजस्थान
✗ D. बिहार

Question ID : **54062621164**

Q.12 किस वर्ष बाबर ने इब्राहिम लोदी को पानीपत में हराया था?

Ans
✗ A. 1529
✗ B. 1527
✗ C. 1530
✓ D. 1526

Question ID : **54062621173**

Q.13 निम्नलिखित में से कौन सी अंतरिक्ष एजेंसी 2021 के अंत तक लकड़ी से बना दुनिया पहला उपग्रह लॉन्च करेगी?

Ans
✗ A. सी.एन.ई.एस
✓ B. ई.एस.ए
✗ C. सी.एन.एस.ए
✗ D. नासा

Question ID : **54062621178**

Q.14 "ए सांग ऑफ इंडिया" पुस्तक के लेखक कौन है?

Ans
✗ A. जय शेट्टी
✗ B. नीना राय
✗ C. आशुतोष भारद्वाज
✓ D. रस्किन बॉन्ड

Question ID : **54062621176**

Q.15 भारतीय संविधान का निम्नलिखित में से अनुच्छेद का कौन सा युग्म सही है?

I. निर्वाचन संबंधी मामलों में न्यायालयों के हस्तक्षेप का वर्जन – अनुच्छेद 329
II. भारत का सर्वोच्च न्यायालय – अनुच्छेद 318

Ans
✗ A. ना ही I ना ही II
✓ B. केवल I
✗ C. केवल II
✗ D. I तथा II दोनों

Question ID : **54062621180**

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Q.16 विश्व में चावल का सर्वाधिक उत्पादन करने वाला देश कौन सा है?

Ans
✗ A. भारत
✗ B. संयुक्त राष्ट्र अमेरिका
✗ C. ब्राज़ील
✓ D. चीन

Question ID : **54062621170**

Q.17 कुचिपुड़ी किस राज्य का शास्त्रीय नृत्य है?

Ans
✗ A. कर्नाटक
✗ B. तमिलनाडु
✗ C. केरल
✓ D. आंध्र प्रदेश

Question ID : **54062621163**

Q.18 निम्नलिखित में से कौन सा कथन सही है?

I. आल इंडिया मुस्लिम लीग का गठन 1908 में हुआ था।
II. 1913 में महात्मा गांधी दक्षिण अफ्रीका से भारत लौटे।

Ans
✗ A. I तथा II दोनों
✗ B. केवल I
✓ C. ना ही I ना ही II
✗ D. केवल II

Question ID : **54062621175**

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Q.19 भारत का संविधान _____ को लागू हुआ।

Ans
✓ A. 26 जनवरी, 1950
✗ B. 26 नवंबर, 1951
✗ C. 26 जनवरी, 1949
✗ D. 9 दिसंबर, 1946

Question ID : **54062621179**

Q.20 संयुक्त राष्ट्र पर्यावरण कार्यक्रम का मुख्यालय _____ में स्थित है।

Ans
✗ A. ग्लैंड
✗ B. न्यूयॉर्क
✓ C. नैरोबी
✗ D. वियना

Question ID : **54062621177**

Section : **Arithmetic Ability**

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Q.1 एक आयताकार प्लॉट की लम्बाई को 20 प्रतिशत से बढ़ाया गया है। उसकी चौड़ाई को कितने प्रतिशत से कम करना चाहिए ताकि उसका क्षेत्रफल समान रहे?

Ans
✗ A. 15 प्रतिशत
✗ B. 20 प्रतिशत
✓ C. 16.66 प्रतिशत
✗ D. 25 प्रतिशत

Question ID : **54062621189**

Q.2 The bar graph given below shows the selling price and marked price of 5 different article.

Discount = Marked price – Selling price
What is the value of average discount on articles P, Q, R and S?

Ans
✗ A. 152.5
✓ B. 137.5
✗ C. 143.5
✗ D. 162.5

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Question ID : **54062621201**

Q.3 $\dfrac{2+\sqrt{2}+\dfrac{1}{2-\sqrt{2}}+2-\sqrt{2}+\dfrac{1}{2+\sqrt{2}}}{\left(2+\sqrt{2}\right)\times\left(2-\sqrt{2}\right)}$ का मान क्या है?

Ans
✗ A. 6
✗ B. 4
✓ C. 3
✗ D. 2

Question ID : **54062621186**

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Q.4 एक लड़के ने 1 से 12 तक की सभी प्राकृतिक संख्याओं को जोड़ा लेकिन उसने एक संख्या को दो बार जोड़ दिया जिसके कारण योग 83 हो गया। वह संख्या क्या है जिसको उसने दो बार जोड़ा है?

Ans
✗ A. 4
✗ B. 6
✗ C. 7
✓ D. 5

Question ID : **54062621185**

Q.5 एक परीक्षा में, रमन ने 20 प्रतिशत अंक प्राप्त किए तथा वह 120 अंकों से अनुत्तीर्ण हो गया। यदि वह 25 प्रतिशत अंक प्राप्त करता है, तो वह 100 अंकों से अनुत्तीर्ण हो जाता है। परीक्षा के अधिकतम अंक क्या हैं?

Ans
✗ A. 300
✗ B. 200
✗ C. 600
✓ D. 400

Question ID : **54062621190**

Q.6 $\left[\left(\sqrt[3]{K^{-2/5}}\right)^{\frac{1}{5}}\right]^{25}$ का मान क्या है?

Ans
✗ A. $K^{-2/7}$
✓ B. $K^{-2/3}$
✗ C. $K^{-1/5}$
✗ D. $K^{-3/2}$

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Question ID : **54062621183**

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Q.7 नीचे दी गई तालिका पाँच वस्तुओं के क्रय मूल्य तथा लाभ प्रतिशत को दर्शाती है।

वस्तु	क्रय मूल्य	लाभ %
A	200	10
B	300	20
C	120	25
D	450	30
E	640	12.5

$$\text{विक्रय मूल्य} = \text{क्रय मूल्य} + \left(\frac{\text{क्रय मूल्य} \times \text{लाभ\%}}{100}\right)$$

J1 = सभी वस्तुओं का औसत विक्रय मूल्य
J2 = कुल विक्रय मूल्य तथा कुल क्रय मूल्य के बीच का अंतर
(J1 – J2) का मान क्या है?

Ans
✗ A. 102
✗ B. 94
✓ C. 82
✗ D. 64

Question ID : **54062621202**

Q.8 एक निश्चित राशि पर 3 वर्षों के लिए 1782 रुपये का साधारण ब्याज प्राप्त होता है। समान राशि पर समान ब्याज की दर से 10 वर्षों के लिए साधारण ब्याज कितना होगा?

Ans
✗ A. 6840 रुपये
✓ B. 5940 रुपये
✗ C. 6940 रुपये
✗ D. 6800 रुपये

Question ID : **54062621194**

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Q.9 एक घन जिसकी भुजा 20 से.मी. है का आयतन एक घनाभ के समान है जिसकी ऊँचाई 20 से.मी. है। यदि घनाभ की लंबाई तथा चौड़ाई का योग 50 से.मी. है, तो घनाभ की लंबाई क्या हो सकती है?

Ans
✗ A. 25 से.मी.
✗ B. 35 से.मी.
✗ C. 30 से.मी.
✓ D. 40 से.मी.

Question ID : **54062621199**

Q.10 एक बस 60 कि.मी. की एक दूरी को 36 मिनट मे तय करती है। यदि उसकी गति को 25 कि.मी./घंटा से कम कर दिया जाये, तो समान दूरी को तय करने में बस द्वारा कितना समय लिया जाएगा?

Ans
✗ A. 54 मिनट
✗ B. 42 मिनट
✓ C. 48 मिनट
✗ D. 60 मिनट

Question ID : **54062621195**

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Q.11 How many numbers are there from 0 to 502 which are completely divisible by 5 or 7?

Ans
✗ A. 155
✓ B. 157
✗ C. 162
✗ D. 160

Question ID : **54062621187**

Q.12 M अकेले एक कार्य को 48 दिन में पूरा कर सकता है तथा N अकेले उसी कार्य को M द्वारा लिए गए समय के आधे समय में पूरा कर सकता है। साथ मिलकर कार्य करते हुए वे एक दिन में उसी कार्य का कितना भाग पूरा कर सकते हैं?

Ans
✗ A. 1/17
✓ B. 1/16
✗ C. 1/20
✗ D. 1/15

Question ID : **54062621197**

Q.13 रोहित को अपना पेन 3648 रुपये का बेचने पर 20 प्रतिशत की हानि हुई। यदि वह इसे 4800 रुपये का बेचता है, तो लाभ प्रतिशत क्या होगा?

Ans
✓ A. 5.26 प्रतिशत
✗ B. 4.44 प्रतिशत
✗ C. 6.66 प्रतिशत
✗ D. 3.33 प्रतिशत

Question ID : **54062621191**

Q.14 एक घनाभ की लम्बाई, चौड़ाई तथा ऊँचाई का अनुपात क्रमश: 13 : 12 : 10 है। यदि लम्बाई, ऊँचाई से 9 से.मी. अधिक है, तो घनाभ का आयतन क्या है?

Ans
✓ A. 42120 से.मी.^{3}
✗ B. 41420 से.मी.^{3}
✗ C. 44420 से.मी.^{3}
✗ D. 39120 से.मी.^{3}

Question ID : **54062621192**

Q.15 एक घन का कुल पृष्ठीय क्षेत्रफल 7350 से.मी.^{2} है। घन की भुजा क्या है?

Ans
✗ A. 25 से.मी.
✗ B. 15 से.मी.
✗ C. 12.5 से.मी.
✓ D. 35 से.मी.

Question ID : **54062621198**

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Q.16 वह सबसे छोटी संख्या क्या है जिससे 448 को गुणा करके एक पूर्ण वर्ग बनाया जाता है?

Ans
✔ A. 7
✘ B. 2
✘ C. 4
✘ D. 8

Question ID : **54062621184**

Q.17 एक नाव 35 कि.मी. धारा के प्रतिकूल तथा 35 कि.मी. धारा के अनुकूल की एक दूरी को 12 घंटे में तय करती है। यही नाव 14 कि.मी. धारा के अनुकूल तथा 15 कि.मी. धारा के प्रतिकूल की एक दूरी को 300 मिनट में तय करती है। स्थिर जल में नाव की गति क्या है?

Ans
✘ A. 3 कि.मी./घंटा
✘ B. 5 कि.मी./घंटा
✘ C. 4 कि.मी./घंटा
✔ D. 6 कि.मी./घंटा

Question ID : **54062621196**

Q.18 35 प्रतिशत की छूट देने के पश्चात् एक साइकिल को 5265 रुपये का बेचा गया है। साइकिल का अंकित मूल्य क्या है?

Ans
✘ A. 9200 रुपये
✘ B. 8500 रुपये
✔ C. 8100 रुपये
✘ D. 9000 रुपये

Question ID : **54062621188**

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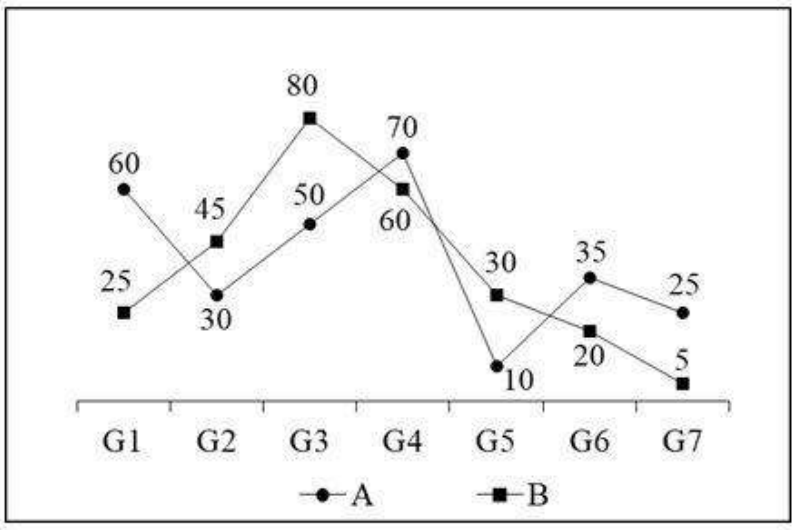
Q.19 नीचे दिया गया रेखा चित्र सात विभिन्न खेल खेलने वाले दो स्कूलों के विद्यार्थियों की संख्या को दर्शाता है।



J1 = स्कूल A के लिए सभी खेल खेलने वाले छात्रों की औसत संख्या
J2 = स्कूल A के सभी खेल खेलने वाले छात्रों की कुल संख्या तथा B के सभी खेल खेलने वाले छात्रों की कुल संख्या के बीच का अंतर
J1 : J2 का मान क्या है?

Ans
✔ A. 8 : 3
✘ B. 7 : 2
✘ C. 6 : 1
✘ D. 7 : 3

Question ID : **54062621200**

Q.20 P, Q तथा R को 8400 रुपये प्राप्त हुए हैं तथा वे इसे आपस में क्रमशः 8 : 7 : 6 के अनुपात में बाँट लेते हैं। यदि P, Q तथा R की बचत का अनुपात क्रमशः 4 : 3 : 5 है तथा Q, 900 रुपये बचाता है, तो क्रमशः P, Q तथा R के व्यय का अनुपात क्या है?

Ans
✘ A. 20 : 17 : 11
✔ B. 20 : 19 : 9
✘ C. 20 : 19 : 7
✘ D. 20 : 19 : 12

Question ID : **54062621193**

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Section : **General English**

Q.1 A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.

No one had ever heard Prakash _____ an unpleasant word.

Ans
✘ A. plunder
✔ B. utter
✘ C. display
✘ D. blunder

Question ID : **54062621207**

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Q.2 In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

Ans
✗ A. Humarruos
✗ B. Humaras
✗ C. Humarous
✓ D. Humorous

Question ID : **54062621214**

Q.3 Rearrange the parts of the sentence in the correct order.

P: to the sea grass beds that some species rely upon for food
Q: from the damage done by sedimentation and pollution
R: has been washed into the ocean and may resemble food to them, and
S: the turtles are at further risk from man-made debris that

Ans
✗ A. PQSR
✗ B. QRPS
✗ C. PRSQ
✓ D. SRQP

Question ID : **54062621210**

Q.4 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To blow one's brain out

Ans
✗ A. To trip and fall
✗ B. To drink uncontrollably
✗ C. To ponder about something
✓ D. To kill by shooting in the head

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Question ID : **54062621215**

Q.5 Choose the word that is opposite in meaning to the given word.

Arrant

Ans
✗ A. Humble
✓ B. Dubious
✗ C. Profound
✗ D. Arrogant

Question ID : **54062621212**

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Q.6 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To slip a cog

Ans
✗ A. To miss a train
✓ B. To be disturbed
✗ C. To get drunk
✗ D. To waste food

Question ID : **54062621216**

Q.7 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

He <u>see nothing but</u> a distant beach and the ocean.

Ans
✗ A. seen nothing yet
✓ B. saw nothing but
✗ C. seeing none but
✗ D. No improvement

Question ID : **54062621206**

Q.8 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

She <u>sent word</u> for the dismissal of back-up.

Ans
✗ A. has sent word
✗ B. sent a word
✓ C. No improvement
✗ D. had sent a word

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Question ID : **54062621205**

Q.9 In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

Ans
✗ A. Embarass
✓ B. Embarrass
✗ C. Embarras
✗ D. Embaras

Question ID : **54062621213**

Q.10 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Her name is Jenifer (1)/ but her father calls her(2)/ Jenny of short (3)/.No error (4)

Ans
✗ A. 2
✓ B. 3
✗ C. 4
✗ D. 1

Question ID : **54062621203**

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Q.11 Rearrange the parts of the sentence in the correct order.

In addition to
P: that show a wide variety of movies,
Q: many multi-screen commercial
R: cinemas, there are scores of little “art” houses
S: many of them with subtitles

Ans
✗ A. SRQP
✗ B. PSRQ
✗ C. SPQR
✓ D. QRPS

Question ID : **54062621209**

Q.12 Find the part of the given sentence that has an error in it. If there is no error, choose ‘No error’.

Levels of press freedom, autonomy (1)/and media sustainability have fluctuated (2)/for Georgia became independent in 1991 (3)/.No error (4)

Ans
✗ A. 2
✗ B. 1
✗ C. 4
✓ D. 3

Question ID : **54062621204**

Q.13 Choose the word that can substitute the given sentence.

To support with evidence

Ans
✓ A. Corroborate
✗ B. Collect
✗ C. Joinery
✗ D. Curate

Question ID : **54062621217**

Q.14 A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.

If I _____ a bird, I would have never stopped flying.

Ans
✓ A. were
✗ B. would
✗ C. could
✗ D. was

Question ID : **54062621208**

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Q.15 Choose the word that means the same as the given word.

Alteration

Ans
- ✗ A. Preserve
- ✗ B. Altercation
- ✓ C. Amendment
- ✗ D. Valour

Question ID : **54062621211**

Comprehension:

Read the following information carefully and answer the given questions.

Coral bleaching happens when corals lose their vibrant colours and turn white. But there's a lot more to it than that. Coral is bright and colourful because of microscopic algae called zooxanthellae. The zooxanthellae live within the coral in a mutually beneficial relationship, each helping the other survive. But when the ocean environment changes—if it gets too hot, for instance—the coral stresses out and expels the algae. As the algae leaves, the coral fades until it looks like it's been bleached. If the temperature stays high, the coral won't let the algae back, and the coral will die.
The leading cause of coral bleaching is climate change. A warming planet means a warming ocean, and a change in water temperature—as little as 2 degrees Fahrenheit—can cause coral to drive out algae. Coral may bleach for other reasons, like extremely low tides, pollution, or too much sunlight.
Coral bleaching matters because once these corals die, reefs rarely come back. With few corals surviving, they struggle to reproduce, and entire reef ecosystems, on which people and wildlife depend, deteriorate. Bleaching also matters because it's not an isolated phenomenon. According to the National Oceanic and Atmospheric Association, between 2014 and 2017 around 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching. For 30 percent of the world's reefs, that heat-stress was enough to kill coral. Though coral bleaching matters in some aspects yet it also impacts wildlife and human population in some ways.
Coral reefs support some of the most biodiverse ecosystems on the planet. Thousands of marine animals depend on coral reefs for survival, including some species of sea turtles, fish, crabs, shrimp, jellyfish, sea birds, starfish, and more. Coral reefs provide shelter, spawning grounds, and protection from predators. They also support organisms at the base of ocean food chains. As reef ecosystems collapse, already at-risk species may face extinction.
Bleached coral also compounds the overfishing crisis by removing links in the food web and depriving some fish and crustacean species of a place to spawn and develop. Anyone relying on these animals as a primary source of income or protein will be in trouble. Finally, reef tourism brings in billions of dollars each year and supports thousands of jobs. Bleached coral reefs, devoid of magnificent marine species, jeopardize it all.

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SubQuestion No : 16

Q.16 Identify the correct synonym of the word 'precaution' from the given passage?

Ans
- ✗ A. Expel
- ✓ B. Preventive
- ✗ C. Collapse
- ✗ D. Magnificent

Question ID : **54062621222**

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Comprehension:

Read the following information carefully and answer the given questions.

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The leading cause of coral bleaching is climate change. A warming planet means a warming ocean, and a change in water temperature—as little as 2 degrees Fahrenheit—can cause coral to drive out algae. Coral may bleach for other reasons, like extremely low tides, pollution, or too much sunlight.
Coral bleaching matters because once these corals die, reefs rarely come back. With few corals surviving, they struggle to reproduce, and entire reef ecosystems, on which people and wildlife depend, deteriorate. Bleaching also matters because it's not an isolated phenomenon. According to the National Oceanic and Atmospheric Association, between 2014 and 2017 around 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching. For 30 percent of the world's reefs, that heat-stress was enough to kill coral. Though coral bleaching matters in some aspects yet it also impacts wildlife and human population in some ways.
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SubQuestion No : 17

Q.17 How does coral bleaching impact humans?

Ans

✔ A. Tourism will get affected as nobody wants to see dying coral reefs.

✘ B. There will be no leisure in eating sea food.

✘ C. It can cause many harmful diseases to them.

✘ D. Changes in food web affect the appetite of humans.

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Question ID : **54062621221**

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Comprehension:

Read the following information carefully and answer the given questions.

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SubQuestion No : 18

Q.18 According to the given passage, which of the following is NOT the leading cause of coral bleaching?

Ans

✗ A. Pollution

✗ B. Extremely low tides

✓ C. Complex food chain

✗ D. Too much sunlight

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Question ID : **54062621220**

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Comprehension:

Read the following information carefully and answer the given questions.

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SubQuestion No : 19

Q.19 Which of the following questions is not answered by the given passage?

Ans

✗ A. What triggers coral bleaching?

✓ B. How human population can help in protecting coral reefs?

✗ C. How does coral bleaching impact wildlife?

✗ D. Why does coral bleaching matter?

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Question ID : **54062621219**

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Comprehension:

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SubQuestion No : 20

Q.20 What has been stated in the National Oceanic and Atmospheric Association report?

Ans ✗ A. More than 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to combat bleaching in 2014.

✓ B. 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching between 2014 and 2017.

✗ C. 75 percent of the world's tropical coral reefs experienced heat-stress gentle enough to combat bleaching between 2014 and 2017.

✗ D. Less than 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching in 2017.

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Question ID : **54062621223**

Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

पुराना घाघ होना

Ans ✓ A. बहुत चालाक होना

✗ B. पुराना सामान होना

✗ C. बहुत समझदार होना

✗ D. बहुत पुराना रोग होना

Question ID : **54062621238**

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Q.2 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

आटा-दाल का भाव मालूम होना

Ans
- ✗ A. फिक्र में रहना
- ✗ B. गायब हो जाना
- ✓ C. कष्टों का अनुभव होना
- ✗ D. कसर निकालना

Question ID : **54062621237**

Q.3 दिए गए शब्द का बहुवचन ज्ञात कीजिए।

बेटा

Ans
- ✓ A. बेटे
- ✗ B. बेटों
- ✗ C. बेटें
- ✗ D. बेटो

Question ID : **54062621234**

Q.4 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

लड़का भूख से अधमरा हो गया था

Ans
- ✗ A. ,
- ✓ B. ।
- ✗ C. ...
- ✗ D. ?

Question ID : **54062621236**

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Q.5 निम्नलिखित शब्द का पर्यायवाची नहीं है, ज्ञात कीजिए।

दिन

Ans
- ✗ A. दिवा
- ✗ B. दिवस
- ✗ C. वार
- ✓ D. पीर

Question ID : **54062621228**

Q.6 निम्नलिखित में से कौन-सा शब्द विदेशज शब्द है?

Ans
- ✗ A. तेंदुआ
- ✗ B. ठुमरी
- ✓ C. अमीर
- ✗ D. जूता

Question ID : **54062621224**

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Q.7 दिए गए शब्दों की संधि ज्ञात कीजिए।

भो + अन

Ans
✗ A. भान
✗ B. भावन
✗ C. भयन
✓ D. भवन

Question ID : **54062621226**

Q.8 दिए गए वाक्य में उपयुक्त शब्द का चयन करके रिक्त स्थान की पूर्ति कीजिए।

संतुलित व्यवहार जीवन में सफलता की _____ है।

Ans
✗ A. कौशल
✓ B. सीढ़ी
✗ C. जानकारी
✗ D. प्रहार

Question ID : **54062621227**

Q.9 निम्नलिखित वाक्यांश के लिए उचित शब्द का चयन कीजिए।

जो बुद्धि द्वारा जाना जा सके

Ans
✗ A. बहिष्कृत
✗ B. बुभुक्षा
✓ C. बोधगम्य
✗ D. बुद्धिग्राहा

Question ID : **54062621230**

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Q.10 निम्नलिखित शब्द में प्रयुक्त प्रत्यय कौन-सा है?

"बहाव"

Ans
✗ A. आवा
✓ B. आव
✗ C. हाव
✗ D. बह

Question ID : **54062621225**

Q.11 निम्नलिखित वाक्यों में से सरल वाक्य ज्ञात कीजिए।

Ans
✗ A. किसान ने आत्महत्या कर ली क्योंकि वह कर्ज में डूब गया था।
✓ B. कर्ज में डूबने के कारण किसान ने आत्महत्या कर ली।
✗ C. किसान कर्ज में डूबा और आत्महत्या कर ली।
✗ D. जब किसान कर्ज में डूब गया तो तब उसने आत्महत्या कर ली।

Question ID : **54062621233**

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Q.12 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

अच्छा तुम घर जाओ।

Ans
- ✗ A. –
- ✗ B. :-
- ✓ C. ,
- ✗ D. ;

Question ID : **54062621235**

Q.13 दिए वाक्य का पुरूष ज्ञात कीजिए।

हम कल आगरा जा रहे हैं।

Ans
- ✓ A. प्रथम
- ✗ B. अन्य
- ✗ C. द्वितीय
- ✗ D. मध्यम

Question ID : **54062621231**

Q.14 दिए गए शब्द का विलोम शब्द ज्ञात कीजिए।

विधि

Ans
- ✗ A. निधि
- ✗ B. अवधि
- ✗ C. इष्ट
- ✓ D. निषेध

Question ID : **54062621229**

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Q.15 निम्नलिखित वाक्यों में से मिश्र वाक्य ज्ञात कीजिए।

Ans
- ✗ A. वर्षा रूकी फिर भी मैं घर नहीं गया।
- ✓ B. यदि वर्षा रूकती तो मैं घर चला जाता।
- ✗ C. वर्षा न रूकने के कारण मैं घर नहीं गया।
- ✗ D. वर्षा नहीं रूकी इसलिए मैं घर नहीं गया।

Question ID : **54062621232**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 16

Q.16 रॉक गार्डन की स्थापना कब हुई थी?

Ans

✗ A. 1921

✓ B. 1957

✗ C. 1966

✗ D. 1952

Question ID : **54062621242**

Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 17

Q.17 पंजाब की अर्थव्यवस्था का मुख्य आधार क्या है?

Ans

✗ A. नृत्य

✗ B. संस्कृति

✓ C. कृषि

✗ D. कला

Question ID : **54062621241**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 18

Q.18 किस भाषा की लिपि गुरुमुखी है?

Ans

✗ A. संस्कृत

✗ B. हिंदी

✗ C. फारसी

✓ D. पंजाबी

Question ID : **54062621240**

Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 19

Q.19 पंजाब राज्य का कुल क्षेत्रफल क्या हैं?

Ans

✗ A. 53026 वर्ग किलोमीटर

✗ B. 05362 वर्ग किलोमीटर

✗ C. 50326 वर्ग किलोमीटर

✓ D. 50362 वर्ग किलोमीटर

Question ID : **54062621243**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 20

Q.20 उपर्युक्त गद्यांश का उपयुक्त शीर्षक क्या होगा?

Ans

✗ A. तुगलक वंश

✗ B. पंजाब की अर्थव्यवस्था

✓ C. पंजाब की संस्कृति

✗ D. मुगलों का शासन

Question ID : **54062621244**

Section : **Discipline1**

Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

Two hundred years ago there lived <u>in Boston a little boy which name</u> was Benjamin Franklin.

Ans

✗ A. No improvement

✗ B. in Boston the little boy who named

✓ C. a little boy in Boston whose name

✗ D. a little boy named in Boston

Question ID : **54062621264**

Q.2 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Two years since a (1)/ fall from a window (2)/ had injured her spine.(3)/ No error (4)

Ans

✗ A. 2

✗ B. 4

✓ C. 1

✗ D. 3

Question ID : **54062621246**

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Q.3 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

He was not <u>enough strong to work on</u> the farm like his brother.

Ans
✗ A. strongest enough to work at
✗ B. enough stronger working on
✗ C. No improvement
✓ D. strong enough to work on

Question ID : **54062621263**

Q.4 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Fans of unsuccessful teams typically (1)/ report higher levels of negative emotions (2)/ in comparison of fans of winning teams.(3)/ No error (4)

Ans
✗ A. 4
✗ B. 2
✗ C. 1
✓ D. 3

Question ID : **54062621256**

Q.5 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

When I came back to (1)/ the main room, the men were (2)/ still discussing about devils. (3)/ No error (4)

Ans
✗ A. 1
✓ B. 4
✗ C. 3
✗ D. 2

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Question ID : **54062621253**

Q.6 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

In palaeontology, some fossil (1)/ is given a unique number (2)/ for the sake of traceability. (3)/ No error (4)

Ans
✗ A. 4
✗ B. 2
✗ C. 3
✓ D. 1

Question ID : **54062621250**

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Q.7 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The heart rate of animals increases (1)/ rapidly while they have (2)/ aggressive encounters such as fights.(3)/ No error (4)

Ans
✔ A. 2
✘ B. 3
✘ C. 1
✘ D. 4

Question ID : **54062621257**

Q.8 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

We are entering into a point (1)/ where technology will (2)/ change at extreme speeds.(3)/ No error (4)

Ans
✔ A. 1
✘ B. 2
✘ C. 4
✘ D. 3

Question ID : **54062621252**

Q.9 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

People used to sweep the streets in night unless a machine replaced them.

Ans
✘ A. No improvement
✘ B. at night still a
✘ C. in night until an
✔ D. at night until a

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Question ID : **54062621260**

Q.10 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Your eyes have a blind spot right (1)/ outside the centre of vision, but you don't (2)/ see a patch of blackness everywhere you look. (3)/ No error (4)

Ans
✔ A. 4
✘ B. 3
✘ C. 2
✘ D. 1

Question ID : **54062621259**

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Q.11 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

His steady gaze given (1)/ no indication of what (2)/ else was on his mind.(3)/ No error (4)

Ans
- ✗ A. 3
- ✗ B. 2
- ✗ C. 4
- ✓ D. 1

Question ID : **54062621247**

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

A major UN report <u>last year founded that</u> one in four species is at risk.

Ans
- ✗ A. founded the last year that
- ✓ B. last year found that
- ✗ C. No improvement
- ✗ D. later year found which

Question ID : **54062621261**

Q.13 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The paths throughout the (1)/ entire region are well made (2)/ and easy to follow, even in the darkest. (3)/ No error (4)

Ans
- ✗ A. 1
- ✗ B. 2
- ✗ C. 4
- ✓ D. 3

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Question ID : **54062621249**

Q.14 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I didn't think that living (1)/ with a mutilated face was (2)/ any easy than a clean death. (3)/ No error (4)

Ans
- ✓ A. 3
- ✗ B. 2
- ✗ C. 4
- ✗ D. 1

Question ID : **54062621248**

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Q.15 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

He had everything he needed (1)/ to stay warm in most worse (2)/ weather than he experienced. (3)/ No error (4)

Ans
✔ A. 2
✘ B. 4
✘ C. 3
✘ D. 1

Question ID : **54062621255**

Q.16 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

We were sitting on the mud porch (1)/ of our hut in the evening, enjoying a strong (2)/ wind that had spring upon. (3)/ No error (4)

Ans
✔ A. 3
✘ B. 4
✘ C. 2
✘ D. 1

Question ID : **54062621258**

Q.17 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The charioteer brought us to (1)/ a gigantic palace glittering (2)/ of gold and precious stones (3)/ No error (4)

Ans
✘ A. 1
✔ B. 3
✘ C. 4
✘ D. 2

Question ID : **54062621251**

Q.18 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

My throat began to (1)/ tight, I felt like (2)/ I was suffocating. (3)/ No error (4)

Ans
✔ A. 2
✘ B. 1
✘ C. 3
✘ D. 4

Question ID : **54062621245**

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Q.19 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

Many native languages has been greatly diminished in the region.

Ans
- ✔ A. have been greatly diminished
- ✘ B. has been greatest diminished
- ✘ C. have greater diminish
- ✘ D. No improvement

Question ID : **54062621262**

Q.20 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

All of her experiences to the (1)/ mountains had taught (2)/ her that she could trust people. (3)/ No error (4)

Ans
- ✔ A. 1
- ✘ B. 4
- ✘ C. 3
- ✘ D. 2

Question ID : **54062621254**

Section : **Discipline2**

Q.1 Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.

Their problems were _____ by their struggle with the system, which she considered _____ abusive.

Ans
- ✘ A. ridiculed, intensely
- ✔ B. exacerbated, emotionally
- ✘ C. cancelled, merrily
- ✘ D. truncated, harmoniously

Question ID : **54062621281**

Q.2 Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.

They feared to spare him lest he _____ report the matter to the king.

Ans
- ✘ A. could
- ✔ B. should
- ✘ C. will
- ✘ D. may

Question ID : **54062621275**

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Q.3 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

The captain returned to the room, _____ limping and whistling a tune.

Ans
- ✗ A. slightest
- ✓ B. slightly
- ✗ C. slight
- ✗ D. slighter

Question ID : **54062621270**

Q.4 **Choose the appropriate verbs from the given options to fill in the blanks and complete the sentence.**

We were trained and groomed until we _____ the absolute best versions of ourselves that we _____ possibly be.

Ans
- ✗ A. would have been, were
- ✗ B. had, can
- ✓ C. were, could
- ✗ D. are, can

Question ID : **54062621280**

Q.5 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

Use a light, _____ mulch that allows good air _____, such as pine needles or straw.

Ans
- ✓ A. pliable, circulation
- ✗ B. churlish, propagation
- ✗ C. coarse, transmission
- ✗ D. obdurate, communication

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Question ID : **54062621283**

Q.6 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

A campfire <u>was burning bright with a crackly</u> sound, throwing out light far around on the ploughed earth.

Ans
- ✓ A. was burning brightly with a crackling
- ✗ B. No improvement
- ✗ C. was cracking with a bright sound
- ✗ D. burnt brightly with a crack

Question ID : **54062621267**

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Q.7 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

He made the _____ statement in a tone of distinct regret.

Ans
- ✔ A. last
- ✘ B. least
- ✘ C. latter
- ✘ D. later

Question ID : **54062621274**

Q.8 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

My sister not only speaks French fluently _____ writes clearly.

Ans
- ✘ A. also
- ✘ B. and
- ✘ C. or
- ✔ D. but also

Question ID : **54062621273**

Q.9 **Choose the appropriate verbs from the given options to fill in the blanks and complete the sentence.**

If I _____ given a chance to change this world I _____ defined proper laws for education.

Ans
- ✘ A. was, had
- ✔ B. were, would have
- ✘ C. could, did
- ✘ D. would, have

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Question ID : **54062621279**

Q.10 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

Why are you putting your coat on? It is not time to go _____.

Ans
- ✔ A. yet
- ✘ B. so
- ✘ C. but
- ✘ D. else

Question ID : **54062621272**

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Q.11 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

The Atlantic blue fin tuna is a/an _____ species while the white shark is classed as _____.

Ans
- ✗ A. endemic, tractable
- ✗ B. morbid, threatened
- ✗ C. ludicrous, aboriginal
- ✓ D. endangered, vulnerable

Question ID : **54062621282**

Q.12 **Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.**

To have people connect _____ climate, we need to have more conversations _____ how people are working to solve it.

Ans
- ✗ A. about, upon
- ✗ B. for, through
- ✓ C. on, about
- ✗ D. in, on

Question ID : **54062621277**

Q.13 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

There is real concern that the disruption of the last year would cause lasting education harms to generation of school children.

Ans
- ✗ A. would cause educational harm lasting to a
- ✓ B. will cause lasting educational harm to a
- ✗ C. No improvement
- ✗ D. lasting education harm will cause

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Question ID : **54062621268**

Q.14 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

Coastline erosion brought to sharp focus on Wales when a major 40m landslide fell onto a beach in Gwynedd in April.

Ans
- ✗ A. No improvement
- ✗ B. was being brought in sharper focus at
- ✗ C. has brought sharp focus on
- ✓ D. was brought into sharp focus in

Question ID : **54062621269**

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Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

The chains pass over lofty piers on which they usually rest on saddles carried by rollers.

Ans
- ✗ A. passes over lofty piers at which
- ✗ B. pass across lofty piers over which
- ✓ C. No improvement
- ✗ D. passes across lofty piers in that

Question ID : **54062621266**

Q.16 Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.

While shaving _____ the polyp, the doctor also accidentally shaved the bridge _____ my nose and the bridge collapsed.

Ans
- ✗ A. out, on
- ✓ B. off, of
- ✗ C. on, of
- ✗ D. over, with

Question ID : **54062621276**

Q.17 Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.

Either he would give her due respect _____ he could find another sitter.

Ans
- ✗ A. nor
- ✓ B. or
- ✗ C. also
- ✗ D. and

Question ID : **54062621271**

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Q.18 Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.

I will meet you _____ Tuesday afternoon to discuss all the anomalies _____ this project.

Ans
- ✗ A. on, to
- ✓ B. on, of
- ✗ C. in, for
- ✗ D. at, on

Question ID : **54062621278**

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Q.19 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

As we make _____ to the post-pandemic era and its new forms of flexible work, companies may well focus more on _____.

Ans
✔ A. transition, functionality
✘ B. relocate, dividend
✘ C. prevail, calamity
✘ D. accelerate, dissemination

Question ID : **54062621284**

Q.20 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

<u>Nicest thing about</u> the small town of Bucklin situated in Kansas is its cemetery.

Ans
✘ A. No improvement
✘ B. A nicest things about
✘ C. The nice thing of
✔ D. The nicest thing about

Question ID : **54062621265**

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Section : **Discipline3**

Q.1 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) It was decided that the young man should
(ii) Spend the years of his captivity under the
(iii) Strictest supervision in one of the lodge
(iv) In the banker's garden.

Ans
✘ A. (ii) and (iii)
✘ B. (i) and (iv)
✘ C. Only (ii)
✔ D. (i), (ii) and (iv)

Question ID : **54062621289**

Q.2 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✔ A. Many organisations hesitate to change working conditions as they believe it will have a negative impact on their productivity.
✘ B. Many organisations hesitates changing working conditions as they are believing it will have a negative impact on their productivity.
✘ C. Many organisations hesitate changing work conditions as they belief it will have a negative impact on their productivity.
✘ D. Many organisations hesitate to change conditions of working for believe that productivity would have a negative impact.

Question ID : **54062621293**

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Q.3 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) Pinterest have taken a bold step in
(ii) To Become the first major
(iii) Social media network
(iv) To ban weight loss adverts.

Ans
✗ A. (i) and (iv)
✗ B. (i) and (ii)
✓ C. (iii) and (iv)
✗ D. Only (iii)

Question ID : **54062621287**

Q.4 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The beggar said to me, "Please give me something to eat."

Ans
✗ A. The beggar asked to me that give him something to eat.
✗ B. The beggar requested that I should give him something to eat.
✓ C. The beggar requested to give him something to eat.
✗ D. The beggar said to me that give him something to eat.

Question ID : **54062621303**

Q.5 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

Let me hire a cab driver for this journey.

Ans
✗ A. You are suggested to let me hire a cab driver for this journey.
✓ B. Let a cab driver be hired by me for this journey.
✗ C. You are suggested to hire a cab driver for this journey by me.
✗ D. Let this journey be covered by hiring a cab driver.

Question ID : **54062621299**

Q.6 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✓ A. He did not know whether he should take the right-hand fork or the left-hand.
✗ B. He did not know if he shall take the right-hand fork or the left-hand.
✗ C. He did not knew whether he should take the right-hand fork or the left-hand.
✗ D. He did not know whether the right-hand fork or the left-hand shall be taken.

Question ID : **54062621291**

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Q.7 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✗ A. Gap prime store's locations with their inevitably high rents and business rates contributing significantly to its costs.

✗ B. Gap's prime store locations by their inevitable high rents and business rates significantly contributed to there costs.

✗ C. Gap's prime store locations with it's inevitable high rents and business rates to contribute significantly to their costs.

✓ D. Gap's prime store locations with their inevitable high rents and business rates contributed significantly to their costs.

Question ID : **54062621294**

Q.8 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

All the students are packing their bags for a trip.

Ans
✗ A. A bag was packed by all the students for a trip.

✗ B. The bags have been packed by all the students for a trip.

✓ C. The bags for a trip are being packed by all the students.

✗ D. A bag is being packed by all the students for a trip.

Question ID : **54062621300**

Q.9 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) He is nor used to
(ii) Talking about his childhood
(iii) And it brought
(iv) Up turbulent memories.

Ans
✗ A. (i) and (iii)

✗ B. Only (iv)

✗ C. Only (iii)

✓ D. (ii) and (iv)

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Question ID : **54062621285**

Q.10 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The students said, "We were enjoying ourselves."

Ans
✗ A. The students said that we were enjoying ourselves.

✓ B. The students said that they had been enjoying themselves.

✗ C. The students said that we were enjoying themselves.

✗ D. The students said that they were enjoying themselves.

Question ID : **54062621301**

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Q.11 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

Had the balloons been filled by him?

Ans
- ✗ A. Is the balloons being filled?
- ✗ B. Were the balloons filled?
- ✗ C. Did he fill the balloons?
- ✓ D. Had he filled the balloons?

Question ID : **54062621297**

Q.12 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
- ✗ A. Genealogy websites has been designed to allow people to found long-lost relatives.
- ✗ B. Genealogy websites are designed allowing people finding long-lost relatives.
- ✓ C. Genealogy websites are designed to allow people to find long-lost relatives.
- ✗ D. Genealogy websites are designed to allow people to finding longer lose relatives.

Question ID : **54062621290**

Q.13 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

A former Vice Chancellor levelled these charges.

Ans
- ✗ A. These charges had been levelled by a former Vice Chancellor.
- ✗ B. These charges is been levelled by a former Vice Chancellor.
- ✓ C. These charges were levelled by a former Vice Chancellor.
- ✗ D. These charges have been levelled by a former Vice Chancellor.

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Question ID : **54062621296**

Q.14 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The manager said that he had been playing football since 1992.

Ans
- ✗ A. The manager said, “I am playing football since 1992.”
- ✗ B. The manager said, “I played football since 1992.”
- ✓ C. The manager said, “I have been playing football since 1992.”
- ✗ D. The manager told, “I play football since 1992.”

Question ID : **54062621302**

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Q.15 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) We found that you can replace up to 10 percent
(ii) Of the sand in concrete with
(iii) The plastic, and it had the same
(iv) Strength and the same longevity

Ans
✗ A. (i) and (iv)
✗ B. (ii) and (iii)
✗ C. Only (iv)
✓ D. (i), (ii) and (iv)

Question ID : **54062621288**

Q.16 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) The whole island is
(ii) Mountainous, and is remarkably
(iii) To its beautiful sceneries
(iv) And its fertility.

Ans
✗ A. (ii) and (iv)
✗ B. Only (iii)
✓ C. (i) and (iv)
✗ D. (i) and (iii)

Question ID : **54062621286**

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Q.17 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

I cannot explain my ordeal to you.

Ans
✓ A. My ordeal cannot be explained to you.
✗ B. To you my ordeal could not been explained.
✗ C. My ordeal might not be explained by myself.
✗ D. My ordeal could not be explained to you by me.

Question ID : **54062621298**

Q.18 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

She turned everyone against me.

Ans
✗ A. Against me everyone is turned by her.
✗ B. By her everyone had been turned against.
✗ C. Everyone has been turned against me by her.
✓ D. Everyone was turned against me by her.

Question ID : **54062621295**

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Q.19 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

My father said to my mother, "Don't give up on your dreams."

Ans

✗ A. My father told my mother that you don't need to give up on your dreams.

✗ B. My father ordered my mother to not given up on your dreams.

✗ C. My father recommended my mother that no need to give up.

✓ D. My father suggested my mother not to give up on her dreams.

Question ID : **54062621304**

Q.20 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans

✓ A. Plenty of peer-reviewed papers not addressed in IPCC documentation present far more pessimistic scenarios.

✗ B. Plenty of peer-reviewed papers none addressing in IPCC documentation presents far much pessimistic scenarios.

✗ C. Plenty of peer-reviewed papers not addressing in IPCC documentation presented far more pessimist scenarios.

✗ D. Plenty of peer-reviewed papers not addressed in IPCC documentation presently far most pessimistic scenarios.

Question ID : **54062621292**

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Section : **Discipline4**

Q.1 **What is the name of the protagonist of Franz Kafka's novel "The Trial"?**

Ans

✓ A. Joseph K.

✗ B. Gregor Samsa

✗ C. Raskalnikov

✗ D. Ke

Question ID : **54062621318**

Q.2 **Which meter is used in a Blank verse?**

Ans

✗ A. Trochaic Pentameter

✗ B. Iambic Hexameter

✗ C. Trochaic Hexameter

✓ D. Iambic Pentameter

Question ID : **54062621324**

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Q.3 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

She has to
P: it and she will call back later
Q: know when she will be here
R: this morning to let me
S: talk to her father about

Ans
✗ A. QPSR
✗ B. QRPS
✗ C. PRSQ
✓ D. SPRQ

Question ID : **54062621309**

Q.4 Which one of the following is NOT related to Victorian Era Literature?

Ans
✗ A. Industrial Revolution
✓ B. Stream of consciousness
✗ C. Utilitarianism
✗ D. Bildungsroman

Question ID : **54062621322**

Q.5 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: We are deeply connected to these microbes in a biological and evolutionary sense.
Q: There is growing recognition that this invisible biodiversity plays a fundamental role in our health.
R: Our bodies are vibrant natural theatres hosting trillions of bacteria, viruses, fungi and other microorganisms.
S: These microbes also play a crucial role in maintaining the health of our ecosystems.

Ans
✓ A. RPQS
✗ B. RQSP
✗ C. SPQR
✗ D. QPRS

Question ID : **54062621314**

Q.6 A tenor of a metaphor is –

Ans
✗ A. A word used for comparison. For example – like, as etc.
✗ B. The degree of comparison
✓ C. The subject of the metaphor
✗ D. The metaphorical term itself

Question ID : **54062621316**

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Q.7 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

One study
P: trained dogs and their handlers
Q: we conducted involved
R: primary schools in south Wales
S: doing weekly sessions in six

Ans
✔ A. QPSR
✘ B. PSQR
✘ C. SRQP
✘ D. SPQR

Question ID : **54062621310**

Q.8 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: Daniel was beckoned by a waiter to the only vacant table that was discernible.
Q: He took his seat with the uncomfortable and wholly groundless idea.
R: As nearly everyone in the room was staring at him.
S: After settling down he ordered his lunch and waited, with nothing to do but to stare at the flower vase on his table.

Ans
✘ A. PSRQ
✔ B. PQRS
✘ C. SPQR
✘ D. SQRP

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Question ID : **54062621311**

Q.9 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

Just because
P: I dropped at your feet
Q: for five years doesn't
R: whenever you called
S: mean I will do it now

Ans
✘ A. QRSP
✘ B. SPQR
✘ C. RQPS
✔ D. PRQS

Question ID : **54062621308**

Q.10 Edmund Spenser's work "Amoretti" is a collection of _____.

Ans
✘ A. short stories
✔ B. sonnets
✘ C. essays
✘ D. letters

Question ID : **54062621321**

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Q.11 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

"Brother, I cannot believe you sold our dream house without asking me." Mrs. Williams shouted

Ans
✗ A. Mrs. Williams said to her brother that she cannot believe that he did sell their dream house without asking her.

✗ B. Mrs. Williams said to her brother that she could not believe that brother is selling their dream house without asking.

✗ C. Mrs. Williams shouted that she cannot believe that he had sold their dream house without asking.

✓ D. Mrs. Williams shouted at her brother that she could not believe that he had sold their dream house without asking her.

Question ID : **54062621305**

Q.12 **Which narrative technique is used by Salman Rushdie in "Midnight's Children"?**

Ans
✗ A. Pathetic Fallacy

✗ B. Stream of Consciousness

✗ C. Story within a story

✓ D. Magical Realism

Question ID : **54062621323**

Q.13 **Which one of the following is NOT a literary genre?**

Ans
✓ A. Restoration Period

✗ B. Magical Realism

✗ C. Science Fiction

✗ D. Detective Fiction

Question ID : **54062621319**

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Q.14 **Who is the author of "Animal Farm"?**

Ans
✗ A. Margaret Atwood

✓ B. George Orwell

✗ C. H.G. Wells

✗ D. Ray Bradbury

Question ID : **54062621317**

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Q.15 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

Adult learners
P: analyse elements of a
Q: using their own existing
R: new language and make links
S: language knowledge

Ans
✔ A. PRQS
✘ B. RSPQ
✘ C. PSQR
✘ D. QPRS

Question ID : **54062621307**

Q.16 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: We were one of the first on the scene, and several of us have already gotten heat exhaustion.
Q: I am a fire fighter currently battling the Bootleg fire in southern Oregon.
R: I am part of a crew that arrived last Thursday.
S: One guy got fuel in his eye from a water pump and two of our division's masticators burned up.

Ans
✘ A. SRPQ
✘ B. RSPQ
✘ C. QSRP
✔ D. QRPS

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Question ID : **54062621312**

Q.17 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: It will further boost their comprehension skills and reading fluency.
Q: Watching video content with same language subtitles can improve children's decoding skills.
R: Research shows that turning on subtitles in the same language as the TV show or film can indeed improve children's reading skills.
S: It can also help them improve their vocabulary.

Ans
✘ A. SPRQ
✘ B. QRPS
✘ C. PRQS
✔ D. RQSP

Question ID : **54062621313**

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Q.18 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The blue team said, "Hurray! We finally won this tournament."

Ans
- ✗ A. The blue team exclaimed with satisfaction that they finally had won this tournament.
- ✗ B. The blue team exclaimed with excitement that they finally won that tournament.
- ✓ C. The blue team exclaimed with joy that they finally had won that tournament.
- ✗ D. The blue team exclaimed that they finally won this tournament.

Question ID : **54062621306**

Q.19 **Who wrote "The Tragical History of Doctor Faustus"?**

Ans
- ✗ A. Ben Johnson
- ✗ B. John Webster
- ✗ C. William Shakespeare
- ✓ D. Christopher Marlowe

Question ID : **54062621315**

Q.20 **Read the given lines and identify the correct author.**
Regarded as a pioneer of Modernist literature, this author was born in Ireland. He is most famous for his novel which shares name with the Greek hero Odysseus.

Ans
- ✗ A. Fyodor Dostoevsky
- ✓ B. James Joyce
- ✗ C. Virginia Woolf
- ✗ D. Khaled Hosseini

Question ID : **54062621320**

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Section : **Discipline5**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 1

Q.1 Which of the following statements is correct according to the given passage?

Ans

✔ A. Offshore wind energy utilises the sea winds to generate electricity.

✘ B. The offshore wind is stronger during the night time.

✘ C. Onshore wind farms must be at least 200 nautical miles from the shore.

✘ D. The coastal load centres distribute the produced electricity unbiasedly.

Question ID : **54062621330**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 2

Q.2 The author is suggesting to position large wind farms over water bodies in India because.

I. Land area is limited
II. The population is increasing

Ans

✘ A. Only II

✔ B. Both I and II

✘ C. Only I

✘ D. Neither I nor II

Question ID : **54062621328**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 3

Q.3 Choose the word that is opposite in meaning to the word 'numerous' as used in the passage.

Ans

✔ A. Finite

✘ B. Putrid

✘ C. Myriad

✘ D. Extensive

Question ID : **54062621329**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 4

Q.4 Why offshore wind turbines are more efficient compared to onshore ones?

Ans

✔ A. The speed of wind over water bodies is high.

✘ B. The size of the generator is big.

✘ C. The onshore wind turbine is consistent in direction.

✘ D. The turbine's swept area is favourable.

Question ID : **54062621327**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 5

Q.5 The given passage mainly talks about the:

Ans

✗ A. Challenges faced by offshore wind energy.

✓ B. Benefits of offshore wind energy.

✗ C. Emergence of wind energy in India.

✗ D. Factors responsible for producing wind energy.

Question ID : **54062621326**

Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
When trying to save on your grocery bill, start by filling your pantry with shelf-stable items like beans, rice, and lentils. Dried foods, devoid of water, cost less because they are cheaper for manufacturers to store and ship. Packed with essential vitamins and minerals, these kitchen staples last months in your cupboard and yield substantial portions.
Shopping for nutritious food on limited funds requires a bit of strategy. Pay close attention to grocery store sales so you can stock up on discounted staples. Big box stores like Target and Costco offer easy-to-use digital coupons for their growing stock of organic and health food products. These large retailers usually provide private label options that eliminate marketing costs associated with household name brands. For the same reason, buying in bulk saves money—and without packaging costs, bulk foods are discounted even further.
Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 6

Q.6 The idiom 'pay off in spades' used in the passage means

Ans

✓ A. A high return on investment

✗ B. Futile efforts

✗ C. To pay in installments

✗ D. To have no real value

Question ID : **54062621336**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
When trying to save on your grocery bill, start by filling your pantry with shelf-stable items like beans, rice, and lentils. Dried foods, devoid of water, cost less because they are cheaper for manufacturers to store and ship. Packed with essential vitamins and minerals, these kitchen staples last months in your cupboard and yield substantial portions.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 7

Q.7 Choose the word that means the same as the word 'unprocessed' as used in the passage.

Ans

✔ A. Crude

✘ B. Brittle

✘ C. Refined

✘ D. Decorated

Question ID : **54062621335**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
When trying to save on your grocery bill, start by filling your pantry with shelf-stable items like beans, rice, and lentils. Dried foods, devoid of water, cost less because they are cheaper for manufacturers to store and ship. Packed with essential vitamins and minerals, these kitchen staples last months in your cupboard and yield substantial portions.
Shopping for nutritious food on limited funds requires a bit of strategy. Pay close attention to grocery store sales so you can stock up on discounted staples. Big box stores like Target and Costco offer easy-to-use digital coupons for their growing stock of organic and health food products. These large retailers usually provide private label options that eliminate marketing costs associated with household name brands. For the same reason, buying in bulk saves money—and without packaging costs, bulk foods are discounted even further.
Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 8

Q.8 Why dried foods cost less?

Ans

✘ A. Their demand in the market is lower than other products.

✔ B. They can be stored and shipped in a cost effective way.

✘ C. They are not nutritious and healthy like milk products.

✘ D. No skill is required in their production.

Question ID : **54062621333**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
When trying to save on your grocery bill, start by filling your pantry with shelf-stable items like beans, rice, and lentils. Dried foods, devoid of water, cost less because they are cheaper for manufacturers to store and ship. Packed with essential vitamins and minerals, these kitchen staples last months in your cupboard and yield substantial portions.
Shopping for nutritious food on limited funds requires a bit of strategy. Pay close attention to grocery store sales so you can stock up on discounted staples. Big box stores like Target and Costco offer easy-to-use digital coupons for their growing stock of organic and health food products. These large retailers usually provide private label options that eliminate marketing costs associated with household name brands. For the same reason, buying in bulk saves money—and without packaging costs, bulk foods are discounted even further.
Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 9

Q.9 The author has NOT mentioned which of the following strategies to shop nutritious food on limited funds?

Ans

✗ A. Buying in bulk

✗ B. Checking store sales

✗ C. Weakly meal planning

✓ D. Change in lifestyle

Question ID : **54062621334**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 10

Q.10 What can be the suitable tagline for the given passage?

Ans

✗ A. Benefits of eating nutritious food

✗ B. A fight between what to eat and what to skip

✗ C. Is healthy food affordable?

✓ D. Budget friendly ways to eat healthy food

Question ID : **54062621332**

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Section : **Teaching Methodology**

Q.1 **निम्नलिखित में से कौन सा कथन सही नहीं है?**

I. लैंगिक भेदभाव प्रत्यक्ष और अप्रत्यक्ष हो सकता है।
II. लैंगिक भेदभाव खुले तौर पर या दबे छुपे रूप से हो सकता है।

Ans
✔ A. ना ही I ना ही II
✘ B. I तथा II दोनों
✘ C. केवल II
✘ D. केवल I

Question ID : **54062621340**

Q.2 **"आंतरिक अंग, त्रिविमीय ज्यामितीय आकृतियों को मॉडलों के साथ सबसे अच्छी तरह समझा जाता है।" एक समावेशी कक्षा बनाने के लिए एक शिक्षक विभिन्न अधिगम सामग्री का उपयोग करता है। दिया गया कथन निम्नलिखित में से किस अधिगम सामग्री का प्रतिनिधित्व करता है?**

Ans
✘ A. चित्रों या तस्वीरों के रूप में दृश्य सामग्री
✔ B. वास्तविक वस्तुओं के रूप में सामरिक सामग्री
✘ C. सूचना और संचार प्रौद्योगिकी
✘ D. हमारे आसपास का वातावरण

Question ID : **54062621339**

Q.3 **सृजनात्मक आकलन के बारे में निम्नलिखित में से कौन सा कथन सही नहीं है?**

Ans
✘ A. ग्रेड्स में ज्यादा भार नहीं होता है
✘ B. यह छात्रों की आवश्यकताओं के अनुसार साव्यय हो सकता है
✘ C. इसे अक्सर शिक्षण-अधिगम प्रक्रिया के दौरान प्रशासित किया जाता है
✔ D. यह परिणामोन्मुखी होता है

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Question ID : **54062621345**

Q.4 **Which of the following is a characteristic of a Good Teaching Learning Material?**

I. Material of multiple utility
II. Material should have utilitarian value

Ans
✘ A. Only II
✘ B. Neither I nor II
✘ C. Only I
✔ D. Both I and II

Question ID : **54062621337**

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Q.5 व्यापक रूप से, मोटर कौशल को गति चालक और हस्त लाघव कौशल में वर्गीकृत किया जाता है। निम्नलिखित में से कौन सी गतिविधियाँ गति चालक कौशल में शामिल हैं?

I. चढ़ाई
II. दौड़ना
III. चलना

Ans
✔ A. I, II तथा III
✘ B. I तथा II
✘ C. II तथा III
✘ D. केवल III

Question ID : **54062621338**

Q.6 निम्नलिखित में से कौन सा कथन सही नहीं है?

I. संकलनात्मक आकलन सृजनात्मक आकलन को पूर्ण बनाता है।
II. एक निश्चित निर्धारित पाठ्यक्रम में छात्र के समग्र प्रदर्शन को निर्धारित करने के लिए संकलनात्मक आकलन का उपयोग किया जाता है।

Ans
✘ A. ना ही I ना ही II
✘ B. केवल II
✘ C. I तथा II दोनों
✔ D. केवल I

Question ID : **54062621346**

Q.7 एक मानक भाषा _____ की भाषा बन जाती है।

I. मीडिया
II प्रशासन
III. न्यायतंत्र

Ans
✔ A. I, II तथा III
✘ B. II तथा III
✘ C. I तथा III
✘ D. केवल II

Question ID : **54062621343**

Q.8 सुनो और चित्र बनाओ' एक सुनने की क्रिया है। यह क्रिया की जाँच के लिए विशेष रूप से उपयोगी होती है।

I. वस्तु शब्दावली
II. प्रैपोजिशन
III. रंग और संख्या

Ans
✘ A. I तथा II
✔ B. I, II तथा III
✘ C. केवल III
✘ D. II तथा III

Question ID : **54062621341**

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Q.9 **Which of the following are those common tools that can be used for Drawing?**

I. Chalk
II. Charcoal
III. Crayon
IV. Graphite

Ans
✗ A. II and IV
✗ B. I and IV
✗ C. II, III and IV
✓ D. I, II, III and IV

Question ID : **54062621342**

Q.10 **निम्नलिखित में से कौन सा कथन अधिगम और शिक्षण के लिए शिक्षक-केंद्रित उपागम के बारे में सही नहीं है?**

Ans
✓ A. छात्र परियोजना कार्य से परिचित होते हैं।
✗ B. एक मार्गीय संचालन किया जाता है; छात्र निष्क्रिय रूप से बैठते हैं और शिक्षक को सुनते हैं।
✗ C. पाठ्य प्रश्नों के उत्तर दिए जाते हैं और रटकर सीखे जाते हैं।
✗ D. शिक्षक का दृष्टिकोण पाठ्यक्रम को समय पर पूरा करना होता है।

Question ID : **54062621344**

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DSSSB TGT English (Male) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	13/09/2021
Test Time	4:30 PM - 6:30 PM
Subject	TGT English-(Male)

Section : **General Ability**

Q.1 एक लड़का उत्तर की ओर 20 मीटर चलता है। वह दायीं ओर मुड़ता है तथा 40 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 30 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 100 मीटर चलता है। वह बायीं ओर मुड़ता है तथा 10 मीटर चलता है। अंततः, वह बायीं ओर मुड़ता है तथा 30 मीटर चलता है। वह आरंभिक बिंदु से अब कितनी दूर तथा कौन सी दिशा में है?

Ans
- ✗ A. 40 मीटर उत्तर-पश्चिम
- ✓ B. 50 मीटर उत्तर-पश्चिम
- ✗ C. 40 मीटर दक्षिण-पूर्व
- ✗ D. 50 मीटर दक्षिण-पूर्व

Question ID : **54062621159**

Q.2 नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए कथनों को सही माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथन:
I. सभी D, N हैं।
II. कुछ P, N हैं।
III. सभी Q, D हैं।

निष्कर्ष:
I. कुछ P, D हैं।
II. सभी Q, N हैं।
III. कुछ Q, P हैं।

Ans
- ✗ A. केवल निष्कर्ष III अनुसरण करता है
- ✗ B. सभी निष्कर्ष अनुसरण करते हैं
- ✗ C. केवल निष्कर्ष I अनुसरण करता है
- ✓ D. केवल निष्कर्ष II अनुसरण करता है

Question ID : **54062621153**

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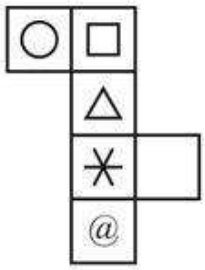
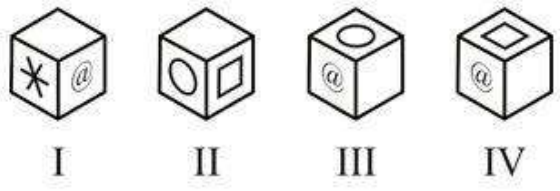
Q.3 दिए गए कागज को मोड़ने पर, निम्नलिखित में से कौन सा घन नहीं बनाया जा सकता है?





Ans
- ✗ A. I, II तथा IV
- ✗ B. II, III तथा IV
- ✓ C. II तथा III
- ✗ D. I तथा IV

Question ID : **54062621162**

Q.4 निम्नलिखित प्रश्न में दी गई श्रृंखला में से लुप्त अंक ज्ञात कीजिए।

77, 49, 36, 18, ?

Ans
- ✗ A. 9
- ✓ B. 8
- ✗ C. 5
- ✗ D. 4

Question ID : **54062621154**

Q.5 नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए कथनों को सही माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथन:
I. कोई भी P, R नहीं है।
II. कुछ P, T हैं।

निष्कर्ष:
I. कुछ T, R नहीं हैं।
II. कुछ T, P हैं।

Ans
- ✓ A. दोनों निष्कर्ष I तथा II अनुसरण करते हैं
- ✗ B. कोई भी निष्कर्ष अनुसरण नहीं करता है
- ✗ C. केवल निष्कर्ष I अनुसरण करता है
- ✗ D. केवल निष्कर्ष II अनुसरण करता है

Question ID : **54062621152**

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Q.6 एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

L2, F4, Z8, T16, ?

Ans
✗ A. M64
✗ B. M32
✓ C. N32
✗ D. N64

Question ID : **54062621143**

Q.7 छह महिलाएँ P, Q, R, S, T तथा U छह विभिन्न कपड़े C1, C2, C3, C4, C5 तथा C6 में से एक कपड़ा पहनती है। (जरूरी नहीं की इसी क्रम में हो)। S तथा U, C2 नहीं पहनती है। P या तो C3 या C5 पहनती है। Q तथा T क्रमश: C1 तथा C6 पहनती है। U, C4 या C5 नहीं पहनती है। S, C3 नहीं पहनती है। निम्नलिखित में से कौन सा कथन सही है?

I. P, C5 पहनती है।
II. R, C2 पहनती है।

Ans
✗ A. ना ही I ना ही II
✓ B. I तथा II दोनों
✗ C. केवल II
✗ D. केवल I

Question ID : **54062621150**

Q.8 निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित शब्द युग्म को चुनिए।

चाकू : काटना :: ?

Ans
✗ A. कलम : किताब
✗ B. बढ़ाना : लाउडस्पीकर
✗ C. देखना : दूरबीन
✓ D. कुदाली : खोदनी

Question ID : **54062621147**

Q.9 निम्नलिखित शब्दों को शब्दकोश में आने वाले क्रम के अनुसार लिखें।

1. Yeastiness
2. Yearningly
3. Yesteryear
4. Yourselves
5. Yellowfins

Ans
✗ A. 12354
✓ B. 21534
✗ C. 12534
✗ D. 21354

Question ID : **54062621144**

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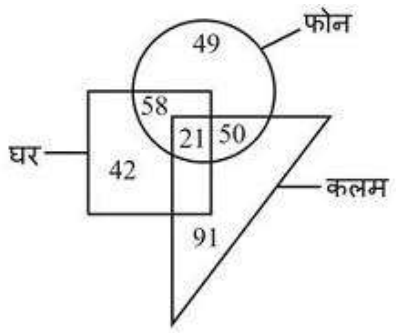
Q.10 एक पुरूष पश्चिम की ओर 30 कि.मी. चलता है। वह दायीं ओर मुड़ता है तथा 27 कि.मी. चलता है। वह बायीं ओर मुड़ता है तथा 31 कि.मी. चलता है। वह दायीं ओर मुड़ता है तथा 45 कि.मी. चलता है। वह बायीं ओर मुड़ता है तथा 50 कि.मी. चलता है। अंततः, वह बायीं ओर मुड़ता है तथा 10 कि.मी. चलता है। अब वह किस दिशा की ओर देख रहा है?

Ans
- ✗ A. पूर्व
- ✗ B. पश्चिम
- ✗ C. उत्तर
- ✓ D. दक्षिण

Question ID : **54062621158**

Q.11 दिए गए वेन आरेख के आधार पर, निम्नलिखित में से कौन सा/से कथन सही है/हैं?

I. फोनों की कुल संख्या 178 है।
II. वह कलम जो ना ही घर ना ही फोन है, की संख्या 91 है।



Ans
- ✗ A. केवल I
- ✗ B. ना ही I ना ही II
- ✓ C. I तथा II दोनों
- ✗ D. केवल II

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Question ID : **54062621157**

Q.12 निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम शब्द को चुनिए।

Ans
- ✗ A. पेंसिल
- ✗ B. शॉर्पनर
- ✗ C. कागज
- ✓ D. विद्यालय

Question ID : **54062621145**

Q.13 B, C का भाई है। F, C की माता है। D, B की बहन है। C, G का पिता है। B, G से किस प्रकार संबंधित है?

Ans
- ✗ A. दादा
- ✗ B. भाई
- ✗ C. पुत्र
- ✓ D. चाचा

Question ID : **54062621149**

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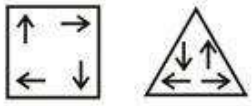
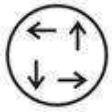
Q.14 कौन सी आकृति दी गई आकृतियों के समान है?

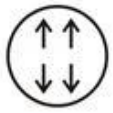


Ans

✗ A.

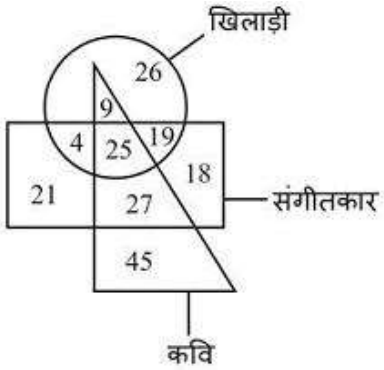
✓ B. 

✗ C.

✗ D. 

Question ID : **54062621160**

Q.15 कवियों की कुल संख्या क्या है?



Ans

✗ A. 72

✗ B. 45

✗ C. 36

✓ D. 106

Question ID : **54062621156**

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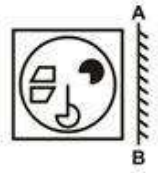
Q.16 आठ व्यक्ति A, B, C, D, E, F, G तथा H एक वृत्ताकार मेज के इर्द-गिर्द केंद्र की ओर मुख करके बैठते हैं (जरूरी नहीं की इसी क्रम में हो)। B तथा D के बीच में दो व्यक्ति बैठते हैं। A तथा D के बीच में दो व्यक्ति बैठते हैं। F तथा E के बीच में तीन व्यक्ति बैठते हैं। C, E के तुरंत दायीं ओर बैठता है। A, H के तुरंत दायीं ओर बैठता है।
निम्नलिखित में से कौन सा कथन सही है?

I. G, F के तुरंत बायीं ओर बैठता है।
II. H, B के तुरंत बायीं ओर बैठता है।
III. A तथा C के बीच में एक व्यक्ति बैठता है।

Ans
✔ A. I तथा III
✘ B. II तथा III
✘ C. I तथा II
✘ D. I, II तथा III

Question ID : **54062621151**

Q.17 यदि एक दर्पण को AB रेखा पर रखा जाए, तो दी गई उत्तर आकृतियों में से कौन सी आकृति प्रश्न आकृति की सही प्रतिबिंब होगी?



Ans
✘ A.
✘ B.
✘ C.
✔ D.

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Question ID : **54062621161**

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Q.18 निम्नलिखित प्रश्न में दिए गए विकल्पों में से प्रश्न चिन्ह (?) के स्थान पर आने वाली संख्या को चुनिए।

25	18	19
16	41	20
25	13	9
22	24	?

Ans
✗ A. 22
✗ B. 14
✓ C. 16
✗ D. 18

Question ID : **54062621155**

Q.19 निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित अक्षरों को चुनिए।

AF : DI :: JR : ?

Ans
✗ A. MV
✗ B. NU
✓ C. MU
✗ D. NV

Question ID : **54062621146**

Q.20 एक विशिष्ट कोड भाषा में, 'MEDICINE' को 'OHHNHMQG' लिखा जाता है। इस कोड भाषा में 'GAMBLERS' का कोड क्या है?

Ans
✗ A. IDQGQIVU
✗ B. IDQGRIUU
✓ C. IDQGQIUU
✗ D. IDQGQIUV

Question ID : **54062621148**

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Section : **General Awareness**

Q.1 भारतीय संविधान का निम्नलिखित में से अनुच्छेद का कौन सा युग्म सही है?

I. निर्वाचन संबंधी मामलों में न्यायालयों के हस्तक्षेप का वर्जन – अनुच्छेद 329
II. भारत का सर्वोच्च न्यायालय – अनुच्छेद 318

Ans
✗ A. ना ही I ना ही II
✓ B. केवल I
✗ C. केवल II
✗ D. I तथा II दोनों

Question ID : **54062621180**

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Q.2 कुचिपुड़ी किस राज्य का शास्त्रीय नृत्य है?

Ans
✗ A. कर्नाटक
✓ B. आंध्र प्रदेश
✗ C. केरल
✗ D. तमिलनाडु

Question ID : **54062621163**

Q.3 निम्नलिखित में से कौन मानव निर्मित पारितंत्र का एक उदाहरण है?

Ans
✗ A. तालाब
✗ B. वन
✗ C. झील
✓ D. खेत

Question ID : **54062621167**

Q.4 भारत का पहला राज्य कौन सा है जिसने हर घर में छत वर्षाजल संग्रहण ढाँचों का बनाना आवश्यक करा था?

Ans
✗ A. राजस्थान
✗ B. गुजरात
✗ C. केरल
✓ D. तमिलनाडु

Question ID : **54062621171**

Q.5 राष्ट्रकूट वंश के संस्थापक _____ थे।

Ans
✗ A. विजयालय
✓ B. दंतीदुर्ग
✗ C. कृष्णा II
✗ D. अमोघवर्ष

Question ID : **54062621174**

Q.6 निम्नलिखित में से कौन सी अंतरिक्ष एजेंसी 2021 के अंत तक लकड़ी से बना दुनिया पहला उपग्रह लॉन्च करेगी?

Ans
✗ A. नासा
✗ B. सी.एन.ई.एस
✓ C. ई.एस.ए
✗ D. सी.एन.एस.ए

Question ID : **54062621178**

Q.7 विश्व में चावल का सर्वाधिक उत्पादन करने वाला देश कौन सा है?

Ans
✗ A. संयुक्त राष्ट्र अमेरिका
✗ B. भारत
✗ C. ब्राज़ील
✓ D. चीन

Question ID : **54062621170**

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Q.8 जल का अपवर्तनांक _____ होता है।

Ans
✗ A. 2.1
✗ B. 1.9
✗ C. 2.42
✓ D. 1.33

Question ID : **54062621168**

Q.9 संयुक्त राष्ट्र पर्यावरण कार्यक्रम का मुख्यालय _____ में स्थित है।

Ans
✓ A. नैरोबी
✗ B. वियना
✗ C. न्यूयॉर्क
✗ D. ग्लैंड

Question ID : **54062621177**

Q.10 निम्नलिखित में से कौन सी आर.बी.आई. द्वारा इस्तेमाल की जाने वाली मौद्रिक नीति की लिखित है?

I. रेपो दर
II. बैंक दर
III. खुला बाज़ार परिचालन

Ans
✓ A. I, II तथा III
✗ B. I तथा III
✗ C. II तथा III
✗ D. I तथा II

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Question ID : **54062621165**

Q.11 भारतीय पुरूष हॉकी टीम के कप्तान कौन हैं जिसने टोक्यो ओलंपिक 2020 (2021 में खेला गया) में कांस्य पदक जीता है?

Ans
✗ A. जसकरण सिंह
✗ B. वीरेंद्र लोकरा
✓ C. मनप्रीत सिंह
✗ D. राजकुमार पाल

Question ID : **54062621182**

Q.12 "पंखिड़ा" किस राज्य का क्षेत्रीय संगीत है?

Ans
✓ A. राजस्थान
✗ B. उत्तर प्रदेश
✗ C. बिहार
✗ D. महाराष्ट्र

Question ID : **54062621164**

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Q.13 निम्नलिखित में से कौन सा कथन सही है?

I. एंजियोस्पर्म को पुष्पी पादप भी कहा जाता है।
II. पाइनस तथा साइकस, एंजियोस्पर्म के उदाहरण हैं।

Ans
✗ A. I तथा II दोनों
✗ B. केवल II
✓ C. केवल I
✗ D. ना ही I ना ही II

Question ID : **54062621169**

Q.14 निम्नलिखित में से कौन सा कथन सही है?

I. आल इंडिया मुस्लिम लीग का गठन 1908 में हुआ था।
II. 1913 में महात्मा गांधी दक्षिण अफ्रीका से भारत लौटे।

Ans
✗ A. केवल II
✗ B. I तथा II दोनों
✓ C. ना ही I ना ही II
✗ D. केवल I

Question ID : **54062621175**

Q.15 भारत का संविधान _____ को लागू हुआ।

Ans
✗ A. 9 दिसंबर, 1946
✗ B. 26 नवंबर, 1951
✗ C. 26 जनवरी, 1949
✓ D. 26 जनवरी, 1950

Question ID : **54062621179**

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Q.16 'डेविस कप' किस खेल से संबंधित है?

Ans
✓ A. टेनिस
✗ B. क्रिकेट
✗ C. फुटबॉल
✗ D. गोल्फ

Question ID : **54062621181**

Q.17 Which of the following statement is correct?

I. Internal migration changes the size of the population.
II. Agriculture comes under primary activity.

Ans
✗ A. Neither I nor II
✗ B. Both I and II
✗ C. Only I
✓ D. Only II

Question ID : **54062621172**

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Q.18 निम्नलिखित में से कौन सा अनधिमान वक्र के संदर्भ में सही है?

I. अनधिमान वक्र दाएं से बाएं नीचे की ओर ढलाव होते है
II. उच्च अनधिमान वक्र, उपयोगिता के उच्च स्तर को प्रदान करता है

Ans
✗ A. ना तो I ना तो II
✓ B. I तथा II दोनों
✗ C. केवल I
✗ D. केवल II

Question ID : **54062621166**

Q.19 "ए सांग ऑफ इंडिया" पुस्तक के लेखक कौन है?

Ans
✓ A. रस्किन बॉन्ड
✗ B. जय शेट्टी
✗ C. नीना राय
✗ D. आशुतोष भारद्वाज

Question ID : **54062621176**

Q.20 किस वर्ष बाबर ने इब्राहिम लोदी को पानीपत में हराया था?

Ans
✗ A. 1530
✗ B. 1527
✗ C. 1529
✓ D. 1526

Question ID : **54062621173**

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Section : **Arithmetic Ability**

Q.1 एक परीक्षा में, रमन ने 20 प्रतिशत अंक प्राप्त किए तथा वह 120 अंकों से अनुत्तीर्ण हो गया। यदि वह 25 प्रतिशत अंक प्राप्त करता है, तो वह 100 अंकों से अनुत्तीर्ण हो जाता है। परीक्षा के अधिकतम अंक क्या हैं?

Ans
✗ A. 300
✓ B. 400
✗ C. 200
✗ D. 600

Question ID : **54062621190**

Q.2 एक बस 60 कि.मी. की एक दूरी को 36 मिनट मे तय करती है। यदि उसकी गति को 25 कि.मी./घंटा से कम कर दिया जाये, तो समान दूरी को तय करने में बस द्वारा कितना समय लिया जाएगा?

Ans
✗ A. 54 मिनट
✗ B. 42 मिनट
✓ C. 48 मिनट
✗ D. 60 मिनट

Question ID : **54062621195**

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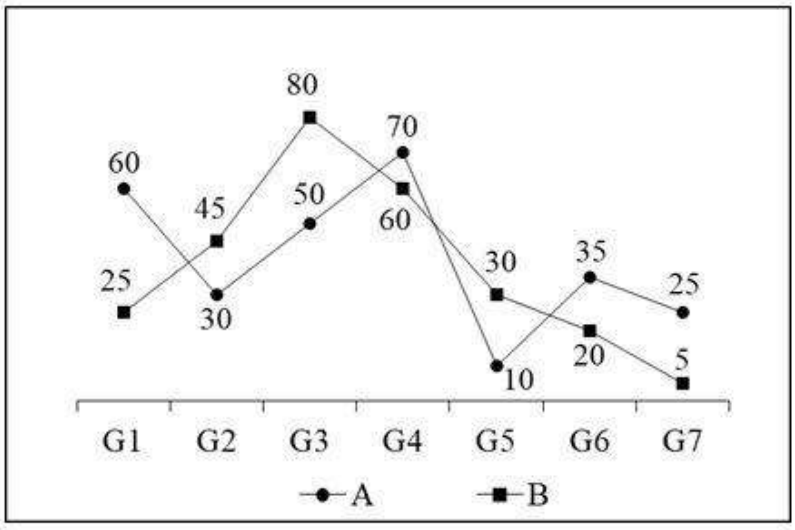
Q.3 नीचे दिया गया रेखा चित्र सात विभिन्न खेल खेलने वाले दो स्कूलों के विद्यार्थियों की संख्या को दर्शाता है।



J1 = स्कूल A के लिए सभी खेल खेलने वाले छात्रों की औसत संख्या
J2 = स्कूल A के सभी खेल खेलने वाले छात्रों की कुल संख्या तथा B के सभी खेल खेलने वाले छात्रों की कुल संख्या के बीच का अंतर
J1 : J2 का मान क्या है?

Ans
✗ A. 7 : 2
✓ B. 8 : 3
✗ C. 6 : 1
✗ D. 7 : 3

Question ID : **54062621200**

Q.4 0 से 502 तक ऐसी कितनी संख्याएँ है जो 5 या 7 से पूर्णतः विभाज्य हैं?

Ans
✓ A. 157
✗ B. 162
✗ C. 155
✗ D. 160

Question ID : **54062621187**

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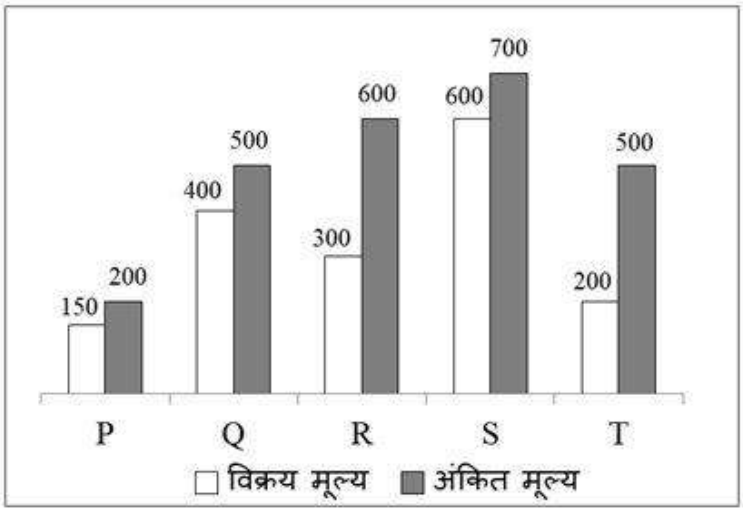
Q.5 नीचे दिया गया दण्ड चित्र 5 विभिन्न वस्तुओं के विक्रय मूल्य तथा अंकित मूल्य को दर्शाता है।



छूट = अंकित मूल्य – विक्रय मूल्य
वस्तु P, Q, R तथा S औसत छूट का मान क्या है?

Ans
✔ A. 137.5
✘ B. 143.5
✘ C. 162.5
✘ D. 152.5

Question ID : **54062621201**

Q.6 रोहित को अपना पेन 3648 रुपये का बेचने पर 20 प्रतिशत की हानि हुई। यदि वह इसे 4800 रुपये का बेचता है, तो लाभ प्रतिशत क्या होगा?

Ans
✘ A. 4.44 प्रतिशत
✘ B. 3.33 प्रतिशत
✘ C. 6.66 प्रतिशत
✔ D. 5.26 प्रतिशत

Question ID : **54062621191**

Q.7 $\dfrac{2+\sqrt{2}+\dfrac{1}{2-\sqrt{2}}+2-\sqrt{2}+\dfrac{1}{2+\sqrt{2}}}{\left(2+\sqrt{2}\right)\times\left(2-\sqrt{2}\right)}$ का मान क्या है?

Ans
✘ A. 6
✔ B. 3
✘ C. 2
✘ D. 4

Question ID : **54062621186**

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Q.8 $\left[\left(\sqrt[3]{K^{-2/5}}\right)^{\frac{1}{5}}\right]^{25}$ का मान क्या है?

Ans
✗ A. $K^{-2/7}$
✗ B. $K^{-3/2}$
✓ C. $K^{-2/3}$
✗ D. $K^{-1/5}$

Question ID : **54062621183**

Q.9 वह सबसे छोटी संख्या क्या है जिससे 448 को गुणा करके एक पूर्ण वर्ग बनाया जाता है?

Ans
✗ A. 4
✗ B. 8
✗ C. 2
✓ D. 7

Question ID : **54062621184**

Q.10 नीचे दी गई तालिका पाँच वस्तुओं के क्रय मूल्य तथा लाभ प्रतिशत को दर्शाती है।

वस्तु	क्रय मूल्य	लाभ %
A	200	10
B	300	20
C	120	25
D	450	30
E	640	12.5

$$\text{विक्रय मूल्य} = \text{क्रय मूल्य} + \left(\frac{\text{क्रय मूल्य} \times \text{लाभ\%}}{100}\right)$$

J1 = सभी वस्तुओं का औसत विक्रय मूल्य
J2 = कुल विक्रय मूल्य तथा कुल क्रय मूल्य के बीच का अंतर
(J1 – J2) का मान क्या है?

Ans
✗ A. 94
✓ B. 82
✗ C. 102
✗ D. 64

Question ID : **54062621202**

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Q.11 35 प्रतिशत की छूट देने के पश्चात् एक साइकिल को 5265 रुपये का बेचा गया है। साइकिल का अंकित मूल्य क्या है?

Ans
✗ A. 9000 रुपये
✓ B. 8100 रुपये
✗ C. 9200 रुपये
✗ D. 8500 रुपये

Question ID : **54062621188**

Q.12 एक निश्चित राशि पर 3 वर्षों के लिए 1782 रुपये का साधारण ब्याज प्राप्त होता है। समान राशि पर समान ब्याज की दर से 10 वर्षों के लिए साधारण ब्याज कितना होगा?

Ans
✗ A. 6800 रुपये
✓ B. 5940 रुपये
✗ C. 6940 रुपये
✗ D. 6840 रुपये

Question ID : **54062621194**

Q.13 एक नाव 35 कि.मी. धारा के प्रतिकूल तथा 35 कि.मी. धारा के अनुकूल की एक दूरी को 12 घंटे में तय करती है। यही नाव 14 कि.मी. धारा के अनुकूल तथा 15 कि.मी. धारा के प्रतिकूल की एक दूरी को 300 मिनट में तय करती है। स्थिर जल में नाव की गति क्या है?

Ans
✗ A. 5 कि.मी./घंटा
✗ B. 3 कि.मी./घंटा
✗ C. 4 कि.मी./घंटा
✓ D. 6 कि.मी./घंटा

Question ID : **54062621196**

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Q.14 M अकेले एक कार्य को 48 दिन में पूरा कर सकता है तथा N अकेले उसी कार्य को M द्वारा लिए गए समय के आधे समय में पूरा कर सकता है। साथ मिलकर कार्य करते हुए वे एक दिन में उसी कार्य का कितना भाग पूरा कर सकते हैं?

Ans
✗ A. 1/17
✗ B. 1/15
✓ C. 1/16
✗ D. 1/20

Question ID : **54062621197**

Q.15 एक घन जिसकी भुजा 20 से.मी. है का आयतन एक घनाभ के समान है जिसकी ऊँचाई 20 से.मी. है। यदि घनाभ की लंबाई तथा चौड़ाई का योग 50 से.मी. है, तो घनाभ की लंबाई क्या हो सकती है?

Ans
✗ A. 25 से.मी.
✗ B. 35 से.मी.
✓ C. 40 से.मी.
✗ D. 30 से.मी.

Question ID : **54062621199**

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Q.16 एक घन का कुल पृष्ठीय क्षेत्रफल 7350 से.मी.^{2} है। घन की भुजा क्या है?

Ans
✗ A. 15 से.मी.
✓ B. 35 से.मी.
✗ C. 25 से.मी.
✗ D. 12.5 से.मी.

Question ID : **54062621198**

Q.17 एक घनाभ की लम्बाई, चौड़ाई तथा ऊँचाई का अनुपात क्रमशः 13 : 12 : 10 है। यदि लम्बाई, ऊँचाई से 9 से.मी. अधिक है, तो घनाभ का आयतन क्या है?

Ans
✗ A. 39120 से.मी.^{3}
✗ B. 44420 से.मी.^{3}
✓ C. 42120 से.मी.^{3}
✗ D. 41420 से.मी.^{3}

Question ID : **54062621192**

Q.18 एक आयताकार प्लॉट की लम्बाई को 20 प्रतिशत से बढ़ाया गया है। उसकी चौड़ाई को कितने प्रतिशत से कम करना चाहिए ताकि उसका क्षेत्रफल समान रहे?

Ans
✗ A. 20 प्रतिशत
✓ B. 16.66 प्रतिशत
✗ C. 15 प्रतिशत
✗ D. 25 प्रतिशत

Question ID : **54062621189**

Q.19 P, Q तथा R को 8400 रुपये प्राप्त हुए हैं तथा वे इसे आपस में क्रमशः 8 : 7 : 6 के अनुपात में बाँट लेते हैं। यदि P, Q तथा R की बचत का अनुपात क्रमशः 4 : 3 : 5 है तथा Q, 900 रुपये बचाता है, तो क्रमशः P, Q तथा R के व्यय का अनुपात क्या है?

Ans
✗ A. 20 : 19 : 7
✗ B. 20 : 19 : 12
✓ C. 20 : 19 : 9
✗ D. 20 : 17 : 11

Question ID : **54062621193**

Q.20 एक लड़के ने 1 से 12 तक की सभी प्राकृतिक संख्याओं को जोड़ा लेकिन उसने एक संख्या को दो बार जोड़ दिया जिसके कारण योग 83 हो गया। वह संख्या क्या है जिसको उसने दो बार जोड़ा है?

Ans
✗ A. 7
✗ B. 6
✗ C. 4
✓ D. 5

Question ID : **54062621185**

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Section : **General English**

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Q.1 **Choose the word that means the same as the given word.**

Alteration

Ans
- ✗ A. Altercation
- ✓ B. Amendment
- ✗ C. Valour
- ✗ D. Preserve

Question ID : **54062621211**

Q.2 **In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.**

To blow one's brain out

Ans
- ✗ A. To drink uncontrollably
- ✗ B. To ponder about something
- ✗ C. To trip and fall
- ✓ D. To kill by shooting in the head

Question ID : **54062621215**

Q.3 **A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.**

No one had ever heard Prakash _____ an unpleasant word.

Ans
- ✗ A. display
- ✗ B. plunder
- ✓ C. utter
- ✗ D. blunder

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Question ID : **54062621207**

Q.4 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

She <u>sent word</u> for the dismissal of back-up.

Ans
- ✓ A. No improvement
- ✗ B. had sent a word
- ✗ C. has sent word
- ✗ D. sent a word

Question ID : **54062621205**

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Q.5 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Levels of press freedom, autonomy (1)/and media sustainability have fluctuated (2)/for Georgia became independent in 1991 (3)/.No error (4)

Ans
- ✗ A. 4
- ✗ B. 1
- ✓ C. 3
- ✗ D. 2

Question ID : **54062621204**

Q.6 Choose the word that can substitute the given sentence.

To support with evidence

Ans
- ✗ A. Collect
- ✗ B. Joinery
- ✗ C. Curate
- ✓ D. Corroborate

Question ID : **54062621217**

Q.7 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

He <u>see nothing but</u> a distant beach and the ocean.

Ans
- ✗ A. seen nothing yet
- ✗ B. No improvement
- ✓ C. saw nothing but
- ✗ D. seeing none but

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Question ID : **54062621206**

Q.8 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Her name is Jenifer (1)/ but her father calls her(2)/ Jenny of short (3)/.No error (4)

Ans
- ✗ A. 2
- ✓ B. 3
- ✗ C. 4
- ✗ D. 1

Question ID : **54062621203**

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Q.9 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To slip a cog

Ans
✗ A. To miss a train
✓ B. To be disturbed
✗ C. To get drunk
✗ D. To waste food

Question ID : **54062621216**

Q.10 Rearrange the parts of the sentence in the correct order.

In addition to
P: that show a wide variety of movies,
Q: many multi-screen commercial
R: cinemas, there are scores of little “art” houses
S: many of them with subtitles

Ans
✓ A. QRPS
✗ B. SPQR
✗ C. SRQP
✗ D. PSRQ

Question ID : **54062621209**

Q.11 Rearrange the parts of the sentence in the correct order.

P: to the sea grass beds that some species rely upon for food
Q: from the damage done by sedimentation and pollution
R: has been washed into the ocean and may resemble food to them, and
S: the turtles are at further risk from man-made debris that

Ans
✗ A. PQSR
✗ B. PRSQ
✗ C. QRPS
✓ D. SRQP

Question ID : **54062621210**

Q.12 In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

Ans
✗ A. Humaras
✗ B. Humarous
✗ C. Humarruos
✓ D. Humorous

Question ID : **54062621214**

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Q.13 **In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.**

Ans
- ✗ A. Embaras
- ✓ B. Embarrass
- ✗ C. Embarras
- ✗ D. Embarass

Question ID : **54062621213**

Q.14 **Choose the word that is opposite in meaning to the given word.**

Arrant

Ans
- ✗ A. Humble
- ✗ B. Arrogant
- ✓ C. Dubious
- ✗ D. Profound

Question ID : **54062621212**

Q.15 **A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.**

If I _____ a bird, I would have never stopped flying.

Ans
- ✗ A. could
- ✓ B. were
- ✗ C. was
- ✗ D. would

Question ID : **54062621208**

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Comprehension:

Read the following information carefully and answer the given questions.

Coral bleaching happens when corals lose their vibrant colours and turn white. But there's a lot more to it than that. Coral is bright and colourful because of microscopic algae called zooxanthellae. The zooxanthellae live within the coral in a mutually beneficial relationship, each helping the other survive. But when the ocean environment changes—if it gets too hot, for instance—the coral stresses out and expels the algae. As the algae leaves, the coral fades until it looks like it's been bleached. If the temperature stays high, the coral won't let the algae back, and the coral will die.
The leading cause of coral bleaching is climate change. A warming planet means a warming ocean, and a change in water temperature—as little as 2 degrees Fahrenheit—can cause coral to drive out algae. Coral may bleach for other reasons, like extremely low tides, pollution, or too much sunlight.
Coral bleaching matters because once these corals die, reefs rarely come back. With few corals surviving, they struggle to reproduce, and entire reef ecosystems, on which people and wildlife depend, deteriorate. Bleaching also matters because it's not an isolated phenomenon. According to the National Oceanic and Atmospheric Association, between 2014 and 2017 around 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching. For 30 percent of the world's reefs, that heat-stress was enough to kill coral. Though coral bleaching matters in some aspects yet it also impacts wildlife and human population in some ways.
Coral reefs support some of the most biodiverse ecosystems on the planet. Thousands of marine animals depend on coral reefs for survival, including some species of sea turtles, fish, crabs, shrimp, jellyfish, sea birds, starfish, and more. Coral reefs provide shelter, spawning grounds, and protection from predators. They also support organisms at the base of ocean food chains. As reef ecosystems collapse, already at-risk species may face extinction. Bleached coral also compounds the overfishing crisis by removing links in the food web and depriving some fish and crustacean species of a place to spawn and develop. Anyone relying on these animals as a primary source of income or protein will be in trouble. Finally, reef tourism brings in billions of dollars each year and supports thousands of jobs. Bleached coral reefs, devoid of magnificent marine species, jeopardize it all.

SubQuestion No : 16

Q.16 Identify the correct synonym of the word 'precaution' from the given passage?

Ans

✗ A. Collapse

✗ B. Magnificent

✗ C. Expel

✓ D. Preventive

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Question ID : **54062621222**

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Comprehension:

Read the following information carefully and answer the given questions.

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The leading cause of coral bleaching is climate change. A warming planet means a warming ocean, and a change in water temperature—as little as 2 degrees Fahrenheit—can cause coral to drive out algae. Coral may bleach for other reasons, like extremely low tides, pollution, or too much sunlight.
Coral bleaching matters because once these corals die, reefs rarely come back. With few corals surviving, they struggle to reproduce, and entire reef ecosystems, on which people and wildlife depend, deteriorate. Bleaching also matters because it's not an isolated phenomenon. According to the National Oceanic and Atmospheric Association, between 2014 and 2017 around 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching. For 30 percent of the world's reefs, that heat-stress was enough to kill coral. Though coral bleaching matters in some aspects yet it also impacts wildlife and human population in some ways.
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SubQuestion No : 17

Q.17 How does coral bleaching impact humans?

Ans

✗ A. It can cause many harmful diseases to them.

✓ B. Tourism will get affected as nobody wants to see dying coral reefs.

✗ C. There will be no leisure in eating sea food.

✗ D. Changes in food web affect the appetite of humans.

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Question ID : **54062621221**

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Comprehension:

Read the following information carefully and answer the given questions.

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SubQuestion No : 18

Q.18 Which of the following questions is not answered by the given passage?

Ans

✗ A. Why does coral bleaching matter?

✗ B. What triggers coral bleaching?

✓ C. How human population can help in protecting coral reefs?

✗ D. How does coral bleaching impact wildlife?

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Question ID : **54062621219**

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Comprehension:

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SubQuestion No : 19

Q.19 What has been stated in the National Oceanic and Atmospheric Association report?

Ans ✗ A. Less than 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching in 2017.

✓ B. 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to trigger bleaching between 2014 and 2017.

✗ C. More than 75 percent of the world's tropical coral reefs experienced heat-stress severe enough to combat bleaching in 2014.

✗ D. 75 percent of the world's tropical coral reefs experienced heat-stress gentle enough to combat bleaching between 2014 and 2017.

Question ID : **54062621223**

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Comprehension:

Read the following information carefully and answer the given questions.

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SubQuestion No : 20

Q.20 According to the given passage, which of the following is NOT the leading cause of coral bleaching?

Ans
✗ A. Pollution
✗ B. Extremely low tides
✗ C. Too much sunlight
✓ D. Complex food chain

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Question ID : **54062621220**

Section : **General Hindi**

Q.1 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

अच्छा तुम घर जाओ।

Ans
✗ A. –
✗ B. ;
✗ C. :-
✓ D. ,

Question ID : **54062621235**

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Q.2 दिए वाक्य का पुरूष ज्ञात कीजिए।

हम कल आगरा जा रहे हैं।

Ans
✗ A. अन्य
✗ B. मध्यम
✓ C. प्रथम
✗ D. द्वितीय

Question ID : **54062621231**

Q.3 निम्नलिखित वाक्यांश के लिए उचित शब्द का चयन कीजिए।

जो बुद्धि द्वारा जाना जा सके

Ans
✗ A. बुभुक्षा
✗ B. बहिष्कृत
✓ C. बोधगम्य
✗ D. बुद्धिग्राहा

Question ID : **54062621230**

Q.4 दिए गए वाक्य में उपयुक्त शब्द का चयन करके रिक्त स्थान की पूर्ति कीजिए।

संतुलित व्यवहार जीवन में सफलता की _____ है।

Ans
✗ A. प्रहार
✗ B. कौशल
✓ C. सीढ़ी
✗ D. जानकारी

Question ID : **54062621227**

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Q.5 निम्नलिखित वाक्यों में से सरल वाक्य ज्ञात कीजिए।

Ans
✓ A. कर्ज में डूबने के कारण किसान ने आत्महत्या कर ली।
✗ B. जब किसान कर्ज में डूब गया तो तब उसने आत्महत्या कर ली।
✗ C. किसान कर्ज में डूबा और आत्महत्या कर ली।
✗ D. किसान ने आत्महत्या कर ली क्योंकि वह कर्ज में डूब गया था।

Question ID : **54062621233**

Q.6 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

लड़का भूख से अधमरा हो गया था

Ans
✓ A. ।
✗ B. ,
✗ C. ...
✗ D. ?

Question ID : **54062621236**

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Q.7 दिए गए शब्दों की संधि ज्ञात कीजिए।

भो + अन

Ans
✗ A. भावन
✗ B. भान
✓ C. भवन
✗ D. भयन

Question ID : **54062621226**

Q.8 दिए गए शब्द का बहुवचन ज्ञात कीजिए।

बेटा

Ans
✗ A. बेटों
✓ B. बेटे
✗ C. बेटो
✗ D. बेटें

Question ID : **54062621234**

Q.9 निम्नलिखित शब्द में प्रयुक्त प्रत्यय कौन-सा है?

"बहाव"

Ans
✗ A. बह
✗ B. आवा
✓ C. आव
✗ D. हाव

Question ID : **54062621225**

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Q.10 निम्नलिखित में से कौन-सा शब्द विदेशज शब्द है?

Ans
✗ A. तेंदुआ
✓ B. अमीर
✗ C. ठुमरी
✗ D. जूता

Question ID : **54062621224**

Q.11 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

पुराना घाघ होना

Ans
✗ A. बहुत समझदार होना
✗ B. पुराना सामान होना
✗ C. बहुत पुराना रोग होना
✓ D. बहुत चालाक होना

Question ID : **54062621238**

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Q.12 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

आटा-दाल का भाव मालूम होना

Ans
- ✗ A. कसर निकालना
- ✗ B. फिक्र में रहना
- ✓ C. कष्टों का अनुभव होना
- ✗ D. गायब हो जाना

Question ID : **54062621237**

Q.13 निम्नलिखित वाक्यों में से मिश्र वाक्य ज्ञात कीजिए।

Ans
- ✗ A. वर्षा रूकी फिर भी मैं घर नहीं गया।
- ✗ B. वर्षा नहीं रूकी इसलिए मैं घर नहीं गया।
- ✗ C. वर्षा न रूकने के कारण मैं घर नहीं गया।
- ✓ D. यदि वर्षा रूकती तो मैं घर चला जाता।

Question ID : **54062621232**

Q.14 दिए गए शब्द का विलोम शब्द ज्ञात कीजिए।

विधि

Ans
- ✗ A. इष्ट
- ✗ B. निधि
- ✓ C. निषेध
- ✗ D. अवधि

Question ID : **54062621229**

Q.15 निम्नलिखित शब्द का पर्यायवाची नहीं है, ज्ञात कीजिए।

दिन

Ans
- ✓ A. पीर
- ✗ B. दिवस
- ✗ C. दिवा
- ✗ D. वार

Question ID : **54062621228**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 16

Q.16 उपर्युक्त गद्यांश का उपयुक्त शीर्षक क्या होगा?

Ans

✗ A. मुगलों का शासन

✗ B. पंजाब की अर्थव्यवस्था

✓ C. पंजाब की संस्कृति

✗ D. तुगलक वंश

Question ID : **54062621244**

Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 17

Q.17 किस भाषा की लिपि गुरुमुखी है?

Ans

✓ A. पंजाबी

✗ B. फारसी

✗ C. संस्कृत

✗ D. हिंदी

Question ID : **54062621240**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 18

Q.18 रॉक गार्डन की स्थापना कब हुई थी?

Ans

✗ A. 1952

✗ B. 1966

✓ C. 1957

✗ D. 1921

Question ID : **54062621242**

Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 19

Q.19 पंजाब की अर्थव्यवस्था का मुख्य आधार क्या है?

Ans

✗ A. कला

✗ B. संस्कृति

✓ C. कृषि

✗ D. नृत्य

Question ID : **54062621241**

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Comprehension:

गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रत्येक प्रश्न में चार विकल्पों में से सही विकल्प चुने।

भारत में 29 राज्य हैं जिसमें प्रत्येक राज्य की अपनी संस्कृति है। पंजाब भारत के उत्तर में स्थित राज्य है जिसकी संस्कृति,कला साहित्य और उमंग से भरपूर है। पंजाबी भाषा की लिपि गुरमुखी है। पंजाब फ़ारसी भाषा के दो शब्दों पंज और आब से मिलकर बना है ऋगवैदिक काल में पंजाब को सप्त सिन्धु के नाम से पुकारा जाता था। गुलाम वंश के कुतुबुद्दीन ने सूबेदार बनकर यहाँ राज्य किया। खिलजी वंश, तुगलक वंश और तैमूर वंश भी इस पंजाब में शासन करते रहे। तैमूर वंश बाबर ने मुगल साम्राज्य की नींव डाली। मुगलों का शासन लम्बे समय तक चला और ईस्ट इंडिया कम्पनी के आगमन से मुगल साम्राज्य की इति श्री हुई। पंजाब एक ऐसा राज्य है जोकि संस्कृति में धनवान है। कृषि पंजाब की अर्थव्यवस्था का मुख्य आधार है व पंजाब में चावल और गेहूँ की खेती की जाती है। पंजाब की संस्कृति साहित्य, नृत्य, गायन आदि से मिलकर बनी है। नृत्य और संगीत यहाँ का अभिन्न अंग है। भांगड़ा संगीत एकं नृत्य का समन्वित रूप हैं व पूरे विश्व में प्रसिद्ध है। यहाँ के लोगों का मुख्य भोजन सरसों का साग और मक्के की रोटी है। चंडीगढ़ में स्थित रॉक गार्डन की स्थापन 1957 में एक सरकारी अफसर नेकचंद ने की थी। पंजाब राज्य का कुल क्षेत्रफल 50362 वर्ग किलोमीटर हैं। राज्य की अन्तर्राज्यीय सीमाएं राजस्थान, हरियाणा, हिमाचल व पड़ोसी देश पाकिस्तान से लगती हैं व 1966 को संयुक्त पंजाब का विघटन कर पंजाब, हरियाणा तथा हिमाचल राज्य बनाए गये। पंजाब राज्य के लोग तन, मन और धन से परिपूर्ण है।

SubQuestion No : 20

Q.20 पंजाब राज्य का कुल क्षेत्रफल क्या हैं?

Ans

✔ A. 50362 वर्ग किलोमीटर

✘ B. 53026 वर्ग किलोमीटर

✘ C. 05362 वर्ग किलोमीटर

✘ D. 50326 वर्ग किलोमीटर

Question ID : **54062621243**

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Section : **Discipline1**

Q.1 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Fans of unsuccessful teams typically (1)/ report higher levels of negative emotions (2)/ in comparison of fans of winning teams.(3)/ No error (4)

Ans

✘ A. 2

✘ B. 1

✘ C. 4

✔ D. 3

Question ID : **54062621256**

Q.2 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

In palaeontology, some fossil (1)/ is given a unique number (2)/ for the sake of traceability. (3)/ No error (4)

Ans

✘ A. 2

✘ B. 4

✔ C. 1

✘ D. 3

Question ID : **54062621250**

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Q.3 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

He was not <u>enough strong to work on</u> the farm like his brother.

Ans
- ✗ A. enough stronger working on
- ✓ B. strong enough to work on
- ✗ C. strongest enough to work at
- ✗ D. No improvement

Question ID : **54062621263**

Q.4 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

A major UN report <u>last year founded that</u> one in four species is at risk.

Ans
- ✗ A. No improvement
- ✓ B. last year found that
- ✗ C. later year found which
- ✗ D. founded the last year that

Question ID : **54062621261**

Q.5 **Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.**

He had everything he needed (1)/ to stay warm in most worse (2)/ weather than he experienced. (3)/ No error (4)

Ans
- ✗ A. 1
- ✓ B. 2
- ✗ C. 4
- ✗ D. 3

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Question ID : **54062621255**

Q.6 **Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.**

My throat began to (1)/ tight, I felt like (2)/ I was suffocating. (3)/ No error (4)

Ans
- ✓ A. 2
- ✗ B. 1
- ✗ C. 4
- ✗ D. 3

Question ID : **54062621245**

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Q.7 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

People used to sweep the streets in night unless a machine replaced them.

Ans
✔ A. at night until a
✘ B. in night until an
✘ C. No improvement
✘ D. at night still a

Question ID : **54062621260**

Q.8 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

When I came back to (1)/ the main room, the men were (2)/ still discussing about devils. (3)/ No error (4)

Ans
✘ A. 2
✘ B. 1
✘ C. 3
✔ D. 4

Question ID : **54062621253**

Q.9 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The charioteer brought us to (1)/ a gigantic palace glittering (2)/ of gold and precious stones (3)/ No error (4)

Ans
✔ A. 3
✘ B. 2
✘ C. 4
✘ D. 1

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Question ID : **54062621251**

Q.10 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Your eyes have a blind spot right (1)/ outside the centre of vision, but you don't (2)/ see a patch of blackness everywhere you look. (3)/ No error (4)

Ans
✔ A. 4
✘ B. 3
✘ C. 1
✘ D. 2

Question ID : **54062621259**

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Q.11 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Two years since a (1)/ fall from a window (2)/ had injured her spine.(3)/ No error (4)

Ans
- ✗ A. 3
- ✗ B. 2
- ✗ C. 4
- ✓ D. 1

Question ID : **54062621246**

Q.12 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The heart rate of animals increases (1)/ rapidly while they have (2)/ aggressive encounters such as fights.(3)/ No error (4)

Ans
- ✓ A. 2
- ✗ B. 3
- ✗ C. 4
- ✗ D. 1

Question ID : **54062621257**

Q.13 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

All of her experiences to the (1)/ mountains had taught (2)/ her that she could trust people. (3)/ No error (4)

Ans
- ✗ A. 2
- ✗ B. 4
- ✓ C. 1
- ✗ D. 3

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Question ID : **54062621254**

Q.14 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

His steady gaze given (1)/ no indication of what (2)/ else was on his mind.(3)/ No error (4)

Ans
- ✓ A. 1
- ✗ B. 2
- ✗ C. 3
- ✗ D. 4

Question ID : **54062621247**

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Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

Two hundred years ago there lived in Boston a little boy which name was Benjamin Franklin.

Ans
✗ A. in Boston the little boy who named
✓ B. a little boy in Boston whose name
✗ C. No improvement
✗ D. a little boy named in Boston

Question ID : **54062621264**

Q.16 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I didn't think that living (1)/ with a mutilated face was (2)/ any easy than a clean death. (3)/ No error (4)

Ans
✗ A. 4
✗ B. 2
✗ C. 1
✓ D. 3

Question ID : **54062621248**

Q.17 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

Many native languages has been greatly diminished in the region.

Ans
✗ A. has been greatest diminished
✗ B. No improvement
✓ C. have been greatly diminished
✗ D. have greater diminish

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Question ID : **54062621262**

Q.18 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

We were sitting on the mud porch (1)/ of our hut in the evening, enjoying a strong (2)/ wind that had spring upon. (3)/ No error (4)

Ans
✗ A. 2
✗ B. 4
✗ C. 1
✓ D. 3

Question ID : **54062621258**

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Q.19 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

We are entering into a point (1)/ where technology will (2)/ change at extreme speeds.(3)/ No error (4)

Ans
✗ A. 2
✗ B. 4
✗ C. 3
✓ D. 1

Question ID : **54062621252**

Q.20 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The paths throughout the (1)/ entire region are well made (2)/ and easy to follow, even in the darkest. (3)/ No error (4)

Ans
✗ A. 1
✗ B. 2
✗ C. 4
✓ D. 3

Question ID : **54062621249**

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Section : **Discipline2**

Q.1 Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.

My sister not only speaks French fluently _____ writes clearly.

Ans
✗ A. and
✗ B. or
✗ C. also
✓ D. but also

Question ID : **54062621273**

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.

There is real concern that the disruption of the last year would cause lasting education harms to generation of school children.

Ans
✗ A. No improvement
✓ B. will cause lasting educational harm to a
✗ C. lasting education harm will cause
✗ D. would cause educational harm lasting to a

Question ID : **54062621268**

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Q.3 **Choose the appropriate verbs from the given options to fill in the blanks and complete the sentence.**

If I _____ given a chance to change this world I _____ defined proper laws for education.

Ans
- ✔ A. were, would have
- ✘ B. was, had
- ✘ C. would, have
- ✘ D. could, did

Question ID : **54062621279**

Q.4 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

The chains <u>pass over lofty piers on which</u> they usually rest on saddles carried by rollers.

Ans
- ✔ A. No improvement
- ✘ B. pass across lofty piers over which
- ✘ C. passes over lofty piers at which
- ✘ D. passes across lofty piers in that

Question ID : **54062621266**

Q.5 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

Their problems were _____ by their struggle with the system, which she considered _____ abusive.

Ans
- ✘ A. cancelled, merrily
- ✘ B. ridiculed, intensely
- ✔ C. exacerbated, emotionally
- ✘ D. truncated, harmoniously

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Question ID : **54062621281**

Q.6 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

<u>Nicest thing about</u> the small town of Bucklin situated in Kansas is its cemetery.

Ans
- ✔ A. The nicest thing about
- ✘ B. A nicest things about
- ✘ C. No improvement
- ✘ D. The nice thing of

Question ID : **54062621265**

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Q.7 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

He made the _____ statement in a tone of distinct regret.

Ans
- ✔ A. last
- ✘ B. later
- ✘ C. latter
- ✘ D. least

Question ID : **54062621274**

Q.8 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

The captain returned to the room, _____ limping and whistling a tune.

Ans
- ✘ A. slighter
- ✔ B. slightly
- ✘ C. slight
- ✘ D. slightest

Question ID : **54062621270**

Q.9 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

Use a light, _____ mulch that allows good air _____, such as pine needles or straw.

Ans
- ✔ A. pliable, circulation
- ✘ B. coarse, transmission
- ✘ C. churlish, propagation
- ✘ D. obdurate, communication

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Question ID : **54062621283**

Q.10 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

Coastline erosion <u>brought to sharp focus on</u> Wales when a major 40m landslide fell onto a beach in Gwynedd in April.

Ans
- ✔ A. was brought into sharp focus in
- ✘ B. has brought sharp focus on
- ✘ C. was being brought in sharper focus at
- ✘ D. No improvement

Question ID : **54062621269**

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Q.11 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

Why are you putting your coat on? It is not time to go _____.

Ans
- ✗ A. but
- ✗ B. so
- ✗ C. else
- ✓ D. yet

Question ID : **54062621272**

Q.12 **Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.**

Either he would give her due respect _____ he could find another sitter.

Ans
- ✗ A. and
- ✓ B. or
- ✗ C. nor
- ✗ D. also

Question ID : **54062621271**

Q.13 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

The Atlantic blue fin tuna is a/an _____ species while the white shark is classed as _____.

Ans
- ✗ A. endemic, tractable
- ✓ B. endangered, vulnerable
- ✗ C. morbid, threatened
- ✗ D. ludicrous, aboriginal

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Question ID : **54062621282**

Q.14 **Choose the appropriate verbs from the given options to fill in the blanks and complete the sentence.**

We were trained and groomed until we _____ the absolute best versions of ourselves that we _____ possibly be.

Ans
- ✓ A. were, could
- ✗ B. had, can
- ✗ C. are, can
- ✗ D. would have been, were

Question ID : **54062621280**

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Q.15 Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.

While shaving _____ the polyp, the doctor also accidentally shaved the bridge _____ my nose and the bridge collapsed.

Ans
✗ A. over, with
✗ B. out, on
✓ C. off, of
✗ D. on, of

Question ID : **54062621276**

Q.16 Fill in the blank to complete the given sentence by choosing the appropriate word from the given options.

They feared to spare him lest he _____ report the matter to the king.

Ans
✗ A. may
✓ B. should
✗ C. could
✗ D. will

Question ID : **54062621275**

Q.17 Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.

To have people connect _____ climate, we need to have more conversations _____ how people are working to solve it.

Ans
✗ A. about, upon
✗ B. in, on
✓ C. on, about
✗ D. for, through

Question ID : **54062621277**

Q.18 Choose the appropriate prepositions from the given options to fill in the blanks and complete the sentence.

I will meet you _____ Tuesday afternoon to discuss all the anomalies _____ this project.

Ans
✗ A. at, on
✗ B. in, for
✓ C. on, of
✗ D. on, to

Question ID : **54062621278**

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Q.19 **Fill in the blanks to complete the given sentence by choosing the appropriate words from the given options.**

As we make _____ to the post-pandemic era and its new forms of flexible work, companies may well focus more on _____.

Ans
✗ A. accelerate, dissemination
✗ B. relocate, dividend
✗ C. prevail, calamity
✓ D. transition, functionality

Question ID : **54062621284**

Q.20 **Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement' as your answer.**

A campfire was burning bright with a crackly sound, throwing out light far around on the ploughed earth.

Ans
✗ A. burnt brightly with a crack
✗ B. No improvement
✗ C. was cracking with a bright sound
✓ D. was burning brightly with a crackling

Question ID : **54062621267**

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Section : **Discipline3**

Q.1 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) Pinterest have taken a bold step in
(ii) To Become the first major
(iii) Social media network
(iv) To ban weight loss adverts.

Ans
✗ A. (i) and (ii)
✓ B. (iii) and (iv)
✗ C. Only (iii)
✗ D. (i) and (iv)

Question ID : **54062621287**

Q.2 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) The whole island is
(ii) Mountainous, and is remarkably
(iii) To its beautiful sceneries
(iv) And its fertility.

Ans
✓ A. (i) and (iv)
✗ B. (ii) and (iv)
✗ C. (i) and (iii)
✗ D. Only (iii)

Question ID : **54062621286**

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Q.3 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

A former Vice Chancellor levelled these charges.

Ans
✔ A. These charges were levelled by a former Vice Chancellor.
✘ B. These charges have been levelled by a former Vice Chancellor.
✘ C. These charges had been levelled by a former Vice Chancellor.
✘ D. These charges is been levelled by a former Vice Chancellor.

Question ID : **54062621296**

Q.4 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) He is nor used to
(ii) Talking about his childhood
(iii) And it brought
(iv) Up turbulent memories.

Ans
✘ A. Only (iii)
✔ B. (ii) and (iv)
✘ C. Only (iv)
✘ D. (i) and (iii)

Question ID : **54062621285**

Q.5 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✔ A. Plenty of peer-reviewed papers not addressed in IPCC documentation present far more pessimistic scenarios.
✘ B. Plenty of peer-reviewed papers not addressing in IPCC documentation presented far more pessimist scenarios.
✘ C. Plenty of peer-reviewed papers none addressing in IPCC documentation presents far much pessimistic scenarios.
✘ D. Plenty of peer-reviewed papers not addressed in IPCC documentation presently far most pessimistic scenarios.

Question ID : **54062621292**

Q.6 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The students said, "We were enjoying ourselves."

Ans
✔ A. The students said that they had been enjoying themselves.
✘ B. The students said that we were enjoying themselves.
✘ C. The students said that they were enjoying themselves.
✘ D. The students said that we were enjoying ourselves.

Question ID : **54062621301**

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Q.7 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

Had the balloons been filled by him?

Ans
✗ A. Were the balloons filled?
✗ B. Is the balloons being filled?
✓ C. Had he filled the balloons?
✗ D. Did he fill the balloons?

Question ID : **54062621297**

Q.8 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

My father said to my mother, "Don't give up on your dreams."

Ans
✗ A. My father ordered my mother to not given up on your dreams.
✗ B. My father told my mother that you don't need to give up on your dreams.
✓ C. My father suggested my mother not to give up on her dreams.
✗ D. My father recommended my mother that no need to give up.

Question ID : **54062621304**

Q.9 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) It was decided that the young man should
(ii) Spend the years of his captivity under the
(iii) Strictest supervision in one of the lodge
(iv) In the banker's garden.

Ans
✗ A. Only (ii)
✗ B. (i) and (iv)
✗ C. (ii) and (iii)
✓ D. (i), (ii) and (iv)

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Question ID : **54062621289**

Q.10 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✓ A. He did not know whether he should take the right-hand fork or the left-hand.
✗ B. He did not knew whether he should take the right-hand fork or the left-hand.
✗ C. He did not know whether the right-hand fork or the left-hand shall be taken.
✗ D. He did not know if he shall take the right-hand fork or the left-hand.

Question ID : **54062621291**

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Q.11 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✔ A. Gap's prime store locations with their inevitable high rents and business rates contributed significantly to their costs.

✘ B. Gap prime store's locations with their inevitably high rents and business rates contributing significantly to its costs.

✘ C. Gap's prime store locations by their inevitable high rents and business rates significantly contributed to there costs.

✘ D. Gap's prime store locations with it's inevitable high rents and business rates to contribute significantly to their costs.

Question ID : **54062621294**

Q.12 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans
✘ A. Genealogy websites are designed to allow people to finding longer lose relatives.

✘ B. Genealogy websites are designed allowing people finding long-lost relatives.

✔ C. Genealogy websites are designed to allow people to find long-lost relatives.

✘ D. Genealogy websites has been designed to allow people to found long-lost relatives.

Question ID : **54062621290**

Q.13 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The manager said that he had been playing football since 1992.

Ans
✘ A. The manager said, "I played football since 1992."

✘ B. The manager told, "I play football since 1992."

✘ C. The manager said, "I am playing football since 1992."

✔ D. The manager said, "I have been playing football since 1992."

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Question ID : **54062621302**

Q.14 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

Let me hire a cab driver for this journey.

Ans
✘ A. Let this journey be covered by hiring a cab driver.

✔ B. Let a cab driver be hired by me for this journey.

✘ C. You are suggested to let me hire a cab driver for this journey.

✘ D. You are suggested to hire a cab driver for this journey by me.

Question ID : **54062621299**

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Q.15 **Select the sentence from the given options that conforms to Standard English Usage.**

Ans

✗ A. Many organisations hesitate to change conditions of working for believe that productivity would have a negative impact.

✓ B. Many organisations hesitate to change working conditions as they believe it will have a negative impact on their productivity.

✗ C. Many organisations hesitates changing working conditions as they are believing it will have a negative impact on their productivity.

✗ D. Many organisations hesitate changing work conditions as they belief it will have a negative impact on their productivity.

Question ID : **54062621293**

Q.16 **Following are parts of a single sentence. Pick the grammatically correct parts among these and choose the combination with the numbers of these correct parts.**

(i) We found that you can replace up to 10 percent
(ii) Of the sand in concrete with
(iii) The plastic, and it had the same
(iv) Strength and the same longevity

Ans

✗ A. (ii) and (iii)

✗ B. Only (iv)

✗ C. (i) and (iv)

✓ D. (i), (ii) and (iv)

Question ID : **54062621288**

Q.17 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

She turned everyone against me.

Ans

✗ A. By her everyone had been turned against.

✓ B. Everyone was turned against me by her.

✗ C. Against me everyone is turned by her.

✗ D. Everyone has been turned against me by her.

Question ID : **54062621295**

Q.18 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

I cannot explain my ordeal to you.

Ans

✗ A. To you my ordeal could not been explained.

✓ B. My ordeal cannot be explained to you.

✗ C. My ordeal could not be explained to you by me.

✗ D. My ordeal might not be explained by myself.

Question ID : **54062621298**

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Q.19 **In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

All the students are packing their bags for a trip.

Ans
✗ A. A bag was packed by all the students for a trip.
✓ B. The bags for a trip are being packed by all the students.
✗ C. The bags have been packed by all the students for a trip.
✗ D. A bag is being packed by all the students for a trip.

Question ID : **54062621300**

Q.20 **In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.**

The beggar said to me, "Please give me something to eat."

Ans
✗ A. The beggar said to me that give him something to eat.
✗ B. The beggar asked to me that give him something to eat.
✗ C. The beggar requested that I should give him something to eat.
✓ D. The beggar requested to give him something to eat.

Question ID : **54062621303**

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Section : **Discipline4**

Q.1 **Who is the author of "Animal Farm"?**

Ans
✓ A. George Orwell
✗ B. Margaret Atwood
✗ C. Ray Bradbury
✗ D. H.G. Wells

Question ID : **54062621317**

Q.2 **Which narrative technique is used by Salman Rushdie in "Midnight's Children"?**

Ans
✗ A. Pathetic Fallacy
✗ B. Stream of Consciousness
✓ C. Magical Realism
✗ D. Story within a story

Question ID : **54062621323**

Q.3 **Which one of the following is NOT related to Victorian Era Literature?**

Ans
✓ A. Stream of consciousness
✗ B. Bildungsroman
✗ C. Utilitarianism
✗ D. Industrial Revolution

Question ID : **54062621322**

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Q.4 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: It will further boost their comprehension skills and reading fluency.
Q: Watching video content with same language subtitles can improve children's decoding skills.
R: Research shows that turning on subtitles in the same language as the TV show or film can indeed improve children's reading skills.
S: It can also help them improve their vocabulary.

Ans
✗ A. SPRQ
✓ B. RQSP
✗ C. QRPS
✗ D. PRQS

Question ID : **54062621313**

Q.5 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

Adult learners
P: analyse elements of a
Q: using their own existing
R: new language and make links
S: language knowledge

Ans
✓ A. PRQS
✗ B. QPRS
✗ C. RSPQ
✗ D. PSQR

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Question ID : **54062621307**

Q.6 In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

"Brother, I cannot believe you sold our dream house without asking me." Mrs. Williams shouted

Ans
✗ A. Mrs. Williams said to her brother that she could not believe that brother is selling their dream house without asking.
✗ B. Mrs. Williams said to her brother that she cannot believe that he did sell their dream house without asking her.
✗ C. Mrs. Williams shouted that she cannot believe that he had sold their dream house without asking.
✓ D. Mrs. Williams shouted at her brother that she could not believe that he had sold their dream house without asking her.

Question ID : **54062621305**

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Q.7 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: We were one of the first on the scene, and several of us have already gotten heat exhaustion.
Q: I am a fire fighter currently battling the Bootleg fire in southern Oregon.
R: I am part of a crew that arrived last Thursday.
S: One guy got fuel in his eye from a water pump and two of our division's masticators burned up.

Ans
✗ A. SRPQ
✗ B. QSRP
✗ C. RSPQ
✓ D. QRPS

Question ID : **54062621312**

Q.8 Which meter is used in a Blank verse?

Ans
✗ A. Trochaic Pentameter
✓ B. Iambic Pentameter
✗ C. Iambic Hexameter
✗ D. Trochaic Hexameter

Question ID : **54062621324**

Q.9 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: We are deeply connected to these microbes in a biological and evolutionary sense.
Q: There is growing recognition that this invisible biodiversity plays a fundamental role in our health.
R: Our bodies are vibrant natural theatres hosting trillions of bacteria, viruses, fungi and other microorganisms.
S: These microbes also play a crucial role in maintaining the health of our ecosystems.

Ans
✓ A. RPQS
✗ B. QPRS
✗ C. RQSP
✗ D. SPQR

Question ID : **54062621314**

Q.10 Who wrote "The Tragical History of Doctor Faustus"?

Ans
✓ A. Christopher Marlowe
✗ B. Ben Johnson
✗ C. John Webster
✗ D. William Shakespeare

Question ID : **54062621315**

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Q.11 Which one of the following is NOT a literary genre?

Ans
✗ A. Detective Fiction
✗ B. Science Fiction
✗ C. Magical Realism
✓ D. Restoration Period

Question ID : **54062621319**

Q.12 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

One study
P: trained dogs and their handlers
Q: we conducted involved
R: primary schools in south Wales
S: doing weekly sessions in six

Ans
✗ A. SPQR
✗ B. SRQP
✗ C. PSQR
✓ D. QPSR

Question ID : **54062621310**

Q.13 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

She has to
P: it and she will call back later
Q: know when she will be here
R: this morning to let me
S: talk to her father about

Ans
✗ A. PRSQ
✓ B. SPRQ
✗ C. QPSR
✗ D. QRPS

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Question ID : **54062621309**

Q.14 Read the given lines and identify the correct author.
Regarded as a pioneer of Modernist literature, this author was born in Ireland. He is most famous for his novel which shares name with the Greek hero Odysseus.

Ans
✗ A. Fyodor Dostoevsky
✗ B. Virginia Woolf
✗ C. Khaled Hosseini
✓ D. James Joyce

Question ID : **54062621320**

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Q.15 In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

P: Daniel was beckoned by a waiter to the only vacant table that was discernible.
Q: He took his seat with the uncomfortable and wholly groundless idea.
R: As nearly everyone in the room was staring at him.
S: After settling down he ordered his lunch and waited, with nothing to do but to stare at the flower vase on his table.

Ans
✗ A. SPQR
✓ B. PQRS
✗ C. PSRQ
✗ D. SQRP

Question ID : **54062621311**

Q.16 A tenor of a metaphor is –

Ans
✓ A. The subject of the metaphor
✗ B. The metaphorical term itself
✗ C. The degree of comparison
✗ D. A word used for comparison. For example – like, as etc.

Question ID : **54062621316**

Q.17 Edmund Spenser's work "Amoretti" is a collection of _____.

Ans
✗ A. essays
✗ B. short stories
✗ C. letters
✓ D. sonnets

Question ID : **54062621321**

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Q.18 What is the name of the protagonist of Franz Kafka's novel "The Trial"?

Ans
✗ A. Ke
✗ B. Raskalnikov
✓ C. Joseph K.
✗ D. Gregor Samsa

Question ID : **54062621318**

Q.19 In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

The blue team said, "Hurray! We finally won this tournament."

Ans
✓ A. The blue team exclaimed with joy that they finally had won that tournament.
✗ B. The blue team exclaimed with excitement that they finally won that tournament.
✗ C. The blue team exclaimed that they finally won this tournament.
✗ D. The blue team exclaimed with satisfaction that they finally had won this tournament.

Question ID : **54062621306**

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Q.20 **In the given question, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.**

Just because
P: I dropped at your feet
Q: for five years doesn't
R: whenever you called
S: mean I will do it now

Ans
✗ A. RQPS
✗ B. SPQR
✗ C. QRSP
✓ D. PRQS

Question ID : **54062621308**

Section : **Discipline5**

Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

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SubQuestion No : 1

Q.1 **The given passage mainly talks about the:**

Ans
✓ A. Benefits of offshore wind energy.
✗ B. Emergence of wind energy in India.
✗ C. Challenges faced by offshore wind energy.
✗ D. Factors responsible for producing wind energy.

Question ID : **54062621326**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 2

Q.2 Why offshore wind turbines are more efficient compared to onshore ones?

Ans

✗ A. The size of the generator is big.

✗ B. The onshore wind turbine is consistent in direction.

✗ C. The turbine's swept area is favourable.

✓ D. The speed of wind over water bodies is high.

Question ID : **54062621327**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 3

Q.3 Choose the word that is opposite in meaning to the word 'numerous' as used in the passage.

Ans

✗ A. Putrid

✓ B. Finite

✗ C. Myriad

✗ D. Extensive

Question ID : **54062621329**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 4

Q.4 The author is suggesting to position large wind farms over water bodies in India because.

I. Land area is limited
II. The population is increasing

Ans

✗ A. Only I

✗ B. Only II

✓ C. Both I and II

✗ D. Neither I nor II

Question ID : **54062621328**

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Comprehension:

Read the following information carefully and answer the given questions.

Offshore wind energy refers to the deployment of wind farms inside the water bodies. They utilise the sea winds to generate electricity. These wind farms either use fixed-foundation turbines or floating wind turbines. A fixed-foundation turbine is built in shallow water, whereas a floating wind turbine is built in deeper waters where its foundation is anchored in the seabed. Floating wind farms are still in their infancy. Offshore wind farms must be at least 200 nautical miles from the shore and 50 feet deep in the ocean. Offshore wind turbines produce electricity which is returned to shore through cables buried in the ocean floor. The coastal load centres distribute this electricity based on priority. In India, where land is limited and the population is increasing, large wind farms positioned over water bodies will be vital. The benefits of offshore wind parks are numerous. It is proven that offshore wind turbines are more efficient compared to onshore ones. Wind speed over water bodies is high and is consistent in direction. As a result, offshore wind farms generate more electricity per installed capacity. Also, fewer offshore turbines are required to produce the same capacity of energy as compared to onshore ones. As the offshore wind is stronger during the daytime, it ensures a more consistent and efficient electricity generation when consumer demand is at its highest. In contrast, wind power on land performs better at night when power consumption is lower.

SubQuestion No : 5

Q.5 Which of the following statements is correct according to the given passage?

Ans

✗ A. The offshore wind is stronger during the night time.

✗ B. The coastal load centres distribute the produced electricity unbiasedly.

✗ C. Onshore wind farms must be at least 200 nautical miles from the shore.

✓ D. Offshore wind energy utilises the sea winds to generate electricity.

Question ID : **54062621330**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
When trying to save on your grocery bill, start by filling your pantry with shelf-stable items like beans, rice, and lentils. Dried foods, devoid of water, cost less because they are cheaper for manufacturers to store and ship. Packed with essential vitamins and minerals, these kitchen staples last months in your cupboard and yield substantial portions.
Shopping for nutritious food on limited funds requires a bit of strategy. Pay close attention to grocery store sales so you can stock up on discounted staples. Big box stores like Target and Costco offer easy-to-use digital coupons for their growing stock of organic and health food products. These large retailers usually provide private label options that eliminate marketing costs associated with household name brands. For the same reason, buying in bulk saves money—and without packaging costs, bulk foods are discounted even further.
Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 6

Q.6 Why dried foods cost less?

Ans

✗ A. Their demand in the market is lower than other products.

✗ B. They are not nutritious and healthy like milk products.

✓ C. They can be stored and shipped in a cost effective way.

✗ D. No skill is required in their production.

Question ID : **54062621333**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 7

Q.7 Choose the word that means the same as the word 'unprocessed' as used in the passage.

Ans

✗ A. Refined

✗ B. Brittle

✓ C. Crude

✗ D. Decorated

Question ID : **54062621335**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 8

Q.8 What can be the suitable tagline for the given passage?

Ans

✗ A. Benefits of eating nutritious food

✗ B. Is healthy food affordable?

✗ C. A fight between what to eat and what to skip

✓ D. Budget friendly ways to eat healthy food

Question ID : **54062621332**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 9

Q.9 The idiom 'pay off in spades' used in the passage means

Ans

✗ A. To pay in installments

✓ B. A high return on investment

✗ C. Futile efforts

✗ D. To have no real value

Question ID : **54062621336**

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Comprehension:

Read the following information carefully and answer the given questions.

On the surface, healthy eating seems like an easy enough task. After all, the most nutritious foods come straight from the earth; pure and unprocessed. But fresh whole foods are not always accessible to everyone. With obstacles like food deserts, expensive organics, and high-priced meats, eating healthy on a budget seems nearly impossible.
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Weekly meal planning is another cost-saving measure that will pay off in spades. Spending just 30 minutes preparing for the week ahead helps you spend less money and waste less food. Instead of throwing away leftover sauteed veggies, add them to your eggs the following morning. And, consider which fruits and vegetables are in season.

SubQuestion No : 10

Q.10 The author has NOT mentioned which of the following strategies to shop nutritious food on limited funds?

Ans

✗ A. Weakly meal planning

✗ B. Checking store sales

✓ C. Change in lifestyle

✗ D. Buying in bulk

Question ID : **54062621334**

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Section : **Teaching Methodology**

Q.1 निम्नलिखित में से कौन-सी एक अच्छी शिक्षण अधिगम सामग्री की विशेषता है?

I. बहु उपयोगिता की सामग्री
II. सामग्री का उपयोगितावादी मूल्य होना चाहिए

Ans

✗ A. ना ही I ना ही II

✓ B. I तथा II दोनों

✗ C. केवल II

✗ D. केवल I

Question ID : **54062621337**

Q.2 निम्नलिखित में से कौन सा कथन सही नहीं है?

I. संकलनात्मक आकलन सृजनात्मक आकलन को पूर्ण बनाता है।
II. एक निश्चित निर्धारित पाठ्यक्रम में छात्र के समग्र प्रदर्शन को निर्धारित करने के लिए संकलनात्मक आकलन का उपयोग किया जाता है।

Ans

✓ A. केवल I

✗ B. I तथा II दोनों

✗ C. केवल II

✗ D. ना ही I ना ही II

Question ID : **54062621346**

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Q.3 "आंतरिक अंग, त्रिविमीय ज्यामितीय आकृतियों को मॉडलों के साथ सबसे अच्छी तरह समझा जाता है।" एक समावेशी कक्षा बनाने के लिए एक शिक्षक विभिन्न अधिगम सामग्री का उपयोग करता है। दिया गया कथन निम्नलिखित में से किस अधिगम सामग्री का प्रतिनिधित्व करता है?

Ans
✗ A. सूचना और संचार प्रौद्योगिकी
✓ B. वास्तविक वस्तुओं के रूप में सामरिक सामग्री
✗ C. चित्रों या तस्वीरों के रूप में दृश्य सामग्री
✗ D. हमारे आसपास का वातावरण

Question ID : **54062621339**

Q.4 सुनो और चित्र बनाओ' एक सुनने की क्रिया है। यह क्रिया की जाँच के लिए विशेष रूप से उपयोगी होती है।

I. वस्तु शब्दावली
II. प्रैपोजिशन
III. रंग और संख्या

Ans
✗ A. केवल III
✓ B. I, II तथा III
✗ C. I तथा II
✗ D. II तथा III

Question ID : **54062621341**

Q.5 निम्नलिखित में से कौन सा कथन अधिगम और शिक्षण के लिए शिक्षक-केंद्रित उपागम के बारे में सही नहीं है?

Ans
✗ A. एक मार्गीय संचालन किया जाता है; छात्र निष्क्रिय रूप से बैठते हैं और शिक्षक को सुनते हैं।
✗ B. शिक्षक का दृष्टिकोण पाठ्यक्रम को समय पर पूरा करना होता है।
✗ C. पाठ्य प्रश्नों के उत्तर दिए जाते हैं और रटकर सीखे जाते हैं।
✓ D. छात्र परियोजना कार्य से परिचित होते हैं।

Question ID : **54062621344**

Q.6 निम्नलिखित में से कौन से वे सामान्य उपकरण हैं जिनका उपयोग चित्रकारी के लिए किया जा सकता है?

I. चॉक
II. चारकोल
III. क्रेयॉन
IV. ग्रैफाइट

Ans
✗ A. I तथा IV
✓ B. I, II, III तथा IV
✗ C. II, III तथा IV
✗ D. II तथा IV

Question ID : **54062621342**

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Q.7 एक मानक भाषा _____ की भाषा बन जाती है।

I. मीडिया
II प्रशासन
III. न्यायतंत्र

Ans
✗ A. I तथा III
✓ B. I, II तथा III
✗ C. II तथा III
✗ D. केवल II

Question ID : **54062621343**

Q.8 निम्नलिखित में से कौन सा कथन सही नहीं है?

I. लैंगिक भेदभाव प्रत्यक्ष और अप्रत्यक्ष हो सकता है।
II. लैंगिक भेदभाव खुले तौर पर या दबे छुपे रूप से हो सकता है।

Ans
✗ A. I तथा II दोनों
✗ B. केवल II
✗ C. केवल I
✓ D. ना ही I ना ही II

Question ID : **54062621340**

Q.9 सृजनात्मक आकलन के बारे में निम्नलिखित में से कौन सा कथन सही नहीं है?

Ans
✗ A. ग्रेड्स में ज्यादा भार नहीं होता है
✗ B. इसे अक्सर शिक्षण-अधिगम प्रक्रिया के दौरान प्रशासित किया जाता है
✓ C. यह परिणामोन्मुखी होता है
✗ D. यह छात्रों की आवश्यकताओं के अनुसार साव्यय हो सकता है

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Question ID : **54062621345**

Q.10 व्यापक रूप से, मोटर कौशल को गति चालक और हस्त लाघव कौशल में वर्गीकृत किया जाता है। निम्नलिखित में से कौन सी गतिविधियाँ गति चालक कौशल में शामिल हैं?

I. चढ़ाई
II. दौड़ना
III. चलना

Ans
✗ A. केवल III
✗ B. II तथा III
✗ C. I तथा II
✓ D. I, II तथा III

Question ID : **54062621338**

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DSSSB Technical Assistant (Computer) Question Paper 2021

Participant ID	Join Telegram Group "HaryanaJobs.in"
Participant Name	
Test Center Name	
Test Date	10/09/2021
Test Time	8:30 AM - 10:30 AM
Subject	Technical Assistant (Computer)

Section : **General Awareness**

Q.1 **The phenomenon by which plant's growth is directed towards light is known as _____.**

Ans
✔ 1. Phototropism
✘ 2. Transpiration
✘ 3. Thigmotropism
✘ 4. Osmosis

Question ID : **663695356**

Q.2 **Who is the first Indian to win the All England Open Badminton Championships?**

Ans
✘ 1. Jwala Gutta
✘ 2. Saina Nehwal
✔ 3. Prakash Padukone
✘ 4. Nandu Natekar

Question ID : **663695369**

Q.3 **According to Knight Frank's Global House Price Index for Q1 2021, India has been ranked at the _____ position.**

Ans
✘ 1. 52nd
✘ 2. 48th
✔ 3. 55th
✘ 4. 43rd

Question ID : **663695366**

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Q.4 PM Modi launched a Pilot Project of E 100 ethanol dispensing stations at _____ locations in Pune, for the production and distribution of ethanol across the country in June 2021.

Ans
1. two ✗
2. three ✓
3. four ✗
4. six ✗

Question ID : **663695364**

Q.5 When did the East India Company annexed the Punjab and incorporated it within British India?

Ans
1. 1849 ✓
2. 1857 ✗
3. 1862 ✗
4. 1841 ✗

Question ID : **663695360**

Q.6 Which among the following countries realised maximum Bitcoin gains for 2020?

Ans
1. Japan ✗
2. United States of America ✓
3. China ✗
4. United Kingdom ✗

Question ID : **663695365**

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Q.7 'Golden Girl' is an autobiography of _____.

Ans
1. Mary Kom ✗
2. Saina Nehwal ✗
3. P.T. Usha ✓
4. Sania Mirza ✗

Question ID : **663695362**

Q.8 The highest mountain peak of _____ is Deomali.

Ans
1. Odisha ✓
2. Assam ✗
3. Maharashtra ✗
4. West Bengal ✗

Question ID : **663695358**

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Q.9 Which among the following metals is the lightest and least dense metal?

Ans
✔ 1. Lithium
✘ 2. Aluminium
✘ 3. Silver
✘ 4. Osmium

Question ID : **663695355**

Q.10 Phag dance, also known as Faag or Phaag dance, is a popular folk-dance form of _____.

Ans
✘ 1. Madhya Pradesh
✘ 2. Goa
✔ 3. Haryana
✘ 4. Gujarat

Question ID : **663695351**

Q.11 Who among the following is the leading run-scorer and century-maker in One Day Internationals (ODI) cricket history as of June 2021?

Ans
✔ 1. Sachin Tendulkar
✘ 2. Kumar Sangakkara
✘ 3. Virat Kohli
✘ 4. Ricky Ponting

Question ID : **663695370**

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Q.12 When was the Practice of Sati prohibited?

Ans
✘ 1. 1815
✔ 2. 1829
✘ 3. 1832
✘ 4. 1847

Question ID : **663695361**

Q.13 As announced in the Budget 2021, 100% electrification of Broad-Gauge routes will be completed by _____.

Ans
✔ 1. December 2023
✘ 2. November 2022
✘ 3. December 2024
✘ 4. November 2025

Question ID : **663695354**

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Q.14 Which among the following is the New Year day of Gujarat that falls during harvest season on the day after Diwali?

Ans
✗ 1. Gudi Padwa
✗ 2. Cheti Chand
✗ 3. Vishu
✓ 4. Bestu Varas

Question ID : **663695352**

Q.15 The famous Pong Dam Lake is located in which of the following states?

Ans
✗ 1. Rajasthan
✗ 2. Tripura
✓ 3. Himachal Pradesh
✗ 4. Assam

Question ID : **663695357**

Q.16 Who among the following Governor Generals prohibited female infanticide?

Ans
✗ 1. Lord Cornwallis
✗ 2. Lord Hastings
✓ 3. Lord Bentinck
✗ 4. Lord Dalhousie

Question ID : **663695359**

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Q.17 Which among the following Constitutional Amendment made a provision for service tax?

Ans
✓ 1. 88th
✗ 2. 91st
✗ 3. 76th
✗ 4. 79th

Question ID : **663695368**

Q.18 The concept of Concurrent List in the Indian Constitution was borrowed from the constitution of _____.

Ans
✗ 1. United Kingdom
✓ 2. Australia
✗ 3. Canada
✗ 4. France

Question ID : **663695367**

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Q.19 Gross Domestic Product - Depreciation = _____

Ans
✗ 1. National Income
✗ 2. Net National Product
✓ 3. Net Domestic Product
✗ 4. Gross National Product

Question ID : **663695353**

Q.20 The headquarters of World Economic Forum is located in _____.

Ans
✓ 1. Switzerland
✗ 2. United States of America
✗ 3. United Kingdom
✗ 4. Spain

Question ID : **663695363**

Section : **General Ability**

Q.1

Ans
✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **663695388**

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Q.2 If black is brown, brown is blue, blue is purple, purple is green, then what is the colour of the sky?

Ans
✗ 1. green
✓ 2. purple
✗ 3. brown
✗ 4. blue

Question ID : **663695378**

Q.3 Sheila said that "the father of Rahul's father is my father." How is Sheila related to Rahul?

Ans
✗ 1. Mother
✗ 2. Sister
✗ 3. Daughter
✓ 4. Paternal Aunt

Question ID : **663695379**

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Q.4

Ans
✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **663695387**

Q.5 **Select the option that is related to the third term on the same basis as the second term is related to the first term.**

Carpenter : Saw :: Surgeon : ?

Ans
✗ 1. blade
✓ 2. scalpel
✗ 3. knife
✗ 4. pen

Question ID : **663695375**

Q.6

Ans
✗ 1. 20
✗ 2. 32
✓ 3. 25
✗ 4. 30

Question ID : **663695384**

Q.7 **If "EXAMINATIONS" is coded as "XEAMNIATOINS", then what is the code for "RESULT"?**

Ans
✗ 1. REUSLT
✗ 2. REUSTL
✗ 3. ERSULT
✓ 4. ERSUTL

Question ID : **663695377**

Q.8

Ans
✗ 1. D
✓ 2. E
✗ 3. A
✗ 4. B

Question ID : **663695385**

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Q.9 If + means multiplication, - means division, × means subtraction and ÷ means addition, what is the value of 2 + 3 ÷ 2 × 15 - 3?

Ans
✗ 1. 11
✓ 2. 3
✗ 3. 24
✗ 4. -8

Question ID : **663695383**

Q.10

Ans
✓ 1.
✗ 2.
✗ 3.
✗ 4.

Question ID : **663695390**

Q.11 In the question, there are two statements given, labelled as Assertion (A) and Reason (R). You have to choose the correct alternative from the given options.

Assertion (A) : Most of the Himalayan rivers are perennial.

Reason (R) : They are fed by melting snow.

Ans
✓ 1. Both A and R are true and R is the correct explanation of A.
✗ 2. Both A and R are true but R is not the correct explanation of A.
✗ 3. A is true but R is false.
✗ 4. A is false but R is true.

Question ID : **663695382**

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Q.12 In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1 : Some ants are sparrows.
Statement 2 : All sparrows are mangoes.

Conclusion I : All mangoes are sparrows.
Conclusion II : Some ants are mangoes.

Ans
✗ 1. Both conclusion I and II follow
✗ 2. Either conclusion I or II follows
✗ 3. Only conclusion I follows
✓ 4. Only conclusion II follows

Question ID : **663695381**

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Q.13

Ans
✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **663695389**

Q.14 **Complete the following series.**

36Q49, 64S81, 100U121, 144W169, ?

Ans
✗ 1. 169Y244
✓ 2. 196Y225
✗ 3. 196Z225
✗ 4. 225Y256

Question ID : **663695371**

Q.15

Ans
✗ 1. 26
✗ 2. 38
✗ 3. 30
✓ 4. 35

Question ID : **663695386**

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Q.16 **Harun is heavier than Mahesh but lighter than Sameer. Mahesh is lighter than Atul but heavier than Raju. Who among them is the lightest?**

Ans
✓ 1. Raju
✗ 2. Mahesh
✗ 3. Atul
✗ 4. Sameer

Question ID : **663695380**

Q.17 **Select the triad that is related on the same basis to the triad given in the question.**

Sky : Aeroplane : Pilot

Ans
✓ 1. Road : Bus : Driver
✗ 2. Track : Train : Passenger
✗ 3. Compass : Ship : Driver
✗ 4. Paper : Letters : Reader

Question ID : **663695376**

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Q.18 **Out of the given options, select the word which CANNOT be formed using the letters of the word:**

ORIENTATION

Ans
- ✔ 1. ORIENTAL
- ✘ 2. NATION
- ✘ 3. ORNATE
- ✘ 4. RATION

Question ID : **663695374**

Q.19 **Arrange the following words in meaningful order.**

1. Adult
2. Foetus
3. Newborn
4. Infant
5. Adolescent

Ans
- ✘ 1. 2,3,4,1,5
- ✘ 2. 4,3,2,5,1
- ✘ 3. 5,1,3,2,4
- ✔ 4. 2,3,4,5,1

Question ID : **663695372**

Q.20 **Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.**

Ans
- ✘ 1. Chop
- ✘ 2. Slice
- ✘ 3. Slit
- ✔ 4. Chirp

Question ID : **663695373**

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Section : **Arithmetic Ability**

Q.1

Ans
- ✘ 1. No, 60
- ✔ 2. No, 70
- ✘ 3. Yes, 70
- ✘ 4. Yes, 60

Question ID : **663695410**

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Q.2 A train travels for a distance of 50 kms and reaches a destination. The time taken to reach the destination is 35 mins. What is the speed of the train in meter per minute?

Ans
1. 1411.25
2. 1456.35
3. 1456.88
4. 1428.57

Question ID : **663695402**

Q.3 The minimum number of years in which a sum of money put out at 25% simple interest will be more than double is:

Ans
1. 4
2. 5
3. 3
4. 6

Question ID : **663695401**

Q.4 A man travels in a car for 5 hours. He travels first 2 hours at a speed of 90 km/h and 3 hours at a speed of 10 m/s. What is the distance covered (in km) by the man in 5 hours?

Ans
1. 210
2. 288
3. 250
4. 300

Question ID : **663695403**

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Q.5 What is the largest 4 digit number divisible by 12?

Ans
1. 9999
2. 9996
3. 9987
4. 9984

Question ID : **663695391**

Q.6 If 134/0.134 = 13.4/x then what is the value of (x + 50) × 1.34 ?

Ans
1. 43.4
2. 67.02
3. 57.06
4. 134

Question ID : **663695392**

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Q.7 There are two numbers with the ratios of 5 : 4. The sum of the numbers are 72. If 9 is subtracted from both the numbers what is the new proportion?

Ans
- ✗ 1. 5/4
- ✗ 2. 31/27
- ✓ 3. 31/23
- ✗ 4. 23/31

Question ID : **663695398**

Q.8 Printed price of the article is 650 and the shopkeeper gets a discount of 40% on the printed price when he purchases it. The shopkeeper sells the product at 650 itself. What is the profit percentage?

Ans
- ✗ 1. 33.33%
- ✗ 2. 25%
- ✓ 3. 66.67%
- ✗ 4. 40%

Question ID : **663695393**

Q.9 B, C, D can do the work in 7, 14, 21 days respectively. If B and C do the job for 2 days then how many days will D take to complete the remaining job alone?

Ans
- ✓ 1. 12 days
- ✗ 2. 7 days
- ✗ 3. 18 days
- ✗ 4. 6 days

Question ID : **663695405**

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Q.10 A man bought 15 dozen of goods at price of 5000. The rate per dozen at which he sells the good is 500. The total profit that he earns is P1. P2 is the profit that he would have earned if he bought the goods at half the cost and sold at double the price. What is the ratio of P1 to P2?

Ans
- ✗ 1. 1 : 4
- ✗ 2. 5 : 1
- ✗ 3. 1 : 2
- ✓ 4. 1 : 5

Question ID : **663695397**

Q.11

Ans
- ✓ 1. 11.26 crore
- ✗ 2. 15 crore
- ✗ 3. 13.36 crore
- ✗ 4. 75 crore

Question ID : **663695409**

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Q.12 The ratio of salary of Ram and Shyam are in the ratio of 3 : 5. The sum of the salaries are 64000. If the salary of both is increased by 3000, then what is the new ratio of their salary?

Ans
1. 3 : 5
2. 43 : 27
3. 27 : 43
4. 5 : 3

Question ID : **663695399**

Q.13 How many spherical balls can be made up of 35 cm high cylinder with radius 4 cm where the cube of the radius of the sphere is 1.4 cm.

Ans
1. 300
2. 1760
3. 1700
4. 350

Question ID : **663695406**

Q.14 The two numbers are 30% and 50% more than the third number. What is the first number expressed in terms of percentage of the second number?

Ans
1. 66.67
2. 115.38
3. 86.67
4. 76.92

Question ID : **663695394**

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Q.15 The compound interest on ₹ 20000 at 8% p.a. is ₹ 7210. What is the duration?

Ans
1. 3 years
2. 4 years
3. 4.5 years
4. 4.2 years

Question ID : **663695400**

Q.16 A shopkeeper buys a bicycle at 5000 and marks the cycle at 30% higher rate, then gives a discount of 10%. What is the selling price?

Ans
1. ₹ 5850
2. ₹ 7222.22
3. ₹ 6500
4. ₹ 5500

Question ID : **663695396**

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Q.17 If a number is 30% more than the second number, how much percentage is the smaller number less than the first number?

Ans
✔ 1. 23.10%
✘ 2. 30%
✘ 3. 33.33%
✘ 4. 20%

Question ID : **663695395**

Q.18 A, B, C can do the work in 10, 20, 40 days respectively. If on first day they all work together and on second day A and B work together, how much of work will be done in those two days?

Ans
✘ 1. 1/4
✘ 2. 1/5
✔ 3. 13/40
✘ 4. 1/2

Question ID : **663695404**

Q.19

Ans
✔ 1. Team A
✘ 2. Team C
✘ 3. Team D
✘ 4. Team B

Question ID : **663695408**

Q.20 1 cubic cm of marble weighs 20 grams. The weight of marble is 100 kg. What will be the length of the marble if its width and height is 20 cm and 5 cm respectively?

Ans
✘ 1. 25 cm
✔ 2. 50 cm
✘ 3. 20 cm
✘ 4. 10 cm

Question ID : **663695407**

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Section : **General Hindi**

Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध शब्द का सही विकल्प है।

Ans
✘ 1. पुनरूथान
✔ 2. पुनरुत्थान
✘ 3. पुनुरुत्थान
✘ 4. पुनरउत्थान

Question ID : **663695418**

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Q.2 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो कोष्ठक में दिए गए शब्द के अनुसार दिए गए वाक्य के लिए अव्यय के भेद का सही विकल्प हो।

(अरे!) पीछे हो जाओ, चोट लग जाएगी।

Ans
✔ 1. विस्मयादिबोधक
✘ 2. निपात
✘ 3. संबंधबोधक
✘ 4. समुच्चयबोधक

Question ID : **663695412**

Q.3 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो क्रिया के भेद वाला सही विकल्प हो।

राधा ने कृष्ण से बांसुरी बजवायी।

Ans
✘ 1. पूर्वकालिक क्रिया
✔ 2. प्रेरणार्थक क्रिया
✘ 3. नामधातु क्रिया
✘ 4. संयुक्त क्रिया

Question ID : **663695411**

Q.4 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो शुद्ध वाक्य का सबसे अच्छा विकल्प है।

Ans
✘ 1. तेको बहुत आगे बढ़ गया है।
✘ 2. तुम बहुत आगे बढ़ गया है।
✘ 3. तुम बड़ा आगे बढ़ गया है।
✔ 4. तुम बहुत आगे बढ़ गए हो।

Question ID : **663695421**

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Q.5 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो सर्वनाम के भेद का सही विकल्प हो।

मैं स्वयं ही दुकान का पता लगा लूँगा।

Ans
✔ 1. निजवाचक
✘ 2. अनिश्चयवाचक
✘ 3. प्रश्नवाचक
✘ 4. संबंधवाचक

Question ID : **663695414**

Q.6 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प हो।

Ans
✘ 1. हे भगवान, उस गरीब, पर दया करो।
✘ 2. हे भगवान! उस गरीब पर दया करो
✔ 3. हे भगवान! उस गरीब पर दया करो।
✘ 4. हे भगवान उस गरीब पर दया करो।

Question ID : **663695422**

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Q.7 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे का सही अर्थ वाला विकल्प है।

नाक-भौंह सिकोड़ना -

Ans
✗ 1. बदनामी करना
✓ 2. घृणा करना
✗ 3. परेशान करना
✗ 4. क्रोध करना

Question ID : **663695423**

Q.8 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दी गई लोकोक्ति का सही अर्थ वाला विकल्प है।

रंग में भंग पड़ना -

Ans
✗ 1. भयभीत होना
✓ 2. आनंद में बाधा उत्पन्न होना
✗ 3. हँसी मजाक करना
✗ 4. भाग्य बदलना

Question ID : **663695425**

Q.9 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो वाक्यांशों के लिए एक शब्द का विकल्प हो।

किसी बात का गूढ़ रहस्य जानने वाला

Ans
✗ 1. मतानुयायी
✓ 2. मर्मज्ञ
✗ 3. निःसंग
✗ 4. संविदा

Question ID : **663695415**

Q.10 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए वृत्ति के भेद का सबसे अच्छा विकल्प है।

दूरदर्शन में मेरा पसंदीदा कार्यक्रम शुरू हो गया होगा।

Ans
✓ 1. संदेहार्थ
✗ 2. संकेतार्थ
✗ 3. विध्यर्थ
✗ 4. संभावनार्थ

Question ID : **663695419**

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Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो रिक्त स्थान के लिए उपयुक्त शब्द का सही विकल्प है।

भारत में ही नहीं बल्कि भारत से _____ भी राम लोकप्रिय हैं|

Ans
✔ 1. बाहर
✘ 2. अन्दर
✘ 3. पीछे
✘ 4. भीतर

Question ID : **663695417**

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस सही विकल्प का चयन करें जो दिए गए शब्द के सही अर्थ का उचित विकल्प हो।

गोरा

Ans
✘ 1. यान
✘ 2. तप्त
✔ 3. धवल
✘ 4. सिक्त

Question ID : **663695416**

Q.13 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे का सही अर्थ वाला विकल्प है।

दोनों हाथों में लड्डू होना -

Ans
✘ 1. अंतहीन होना
✘ 2. बहुत भूख लगना
✘ 3. अधिक स्नेह होना
✔ 4. सर्वत्र लाभ ही लाभ होना

Question ID : **663695424**

Q.14 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए वाक्य के लिए पक्ष के भेद का सबसे अच्छा विकल्प है।

बड़े दिनों बाद अब माताजी चलने लगी हैं!

Ans
✘ 1. पूर्णताद्योतक
✘ 2. प्रगतिद्योतक
✘ 3. सातप्यबोधक
✔ 4. आरंभद्योतक

Question ID : **663695420**

Q.15 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो भाववाचक संज्ञा का सही विकल्प नहीं है।

Ans
✘ 1. दानवता
✘ 2. डर
✘ 3. पशुत्व
✔ 4. काला

Question ID : **663695413**

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Comprehension:

नीचे दिए गये गद्यांश को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों का उत्तर दें।

नजर उठाकर जहाँ भी देखें आपको हर इंसान दुःख, अवसाद, तृष्णा, घृणा, नफरत, ईर्ष्या आदि जैसे दुर्गुणों से त्रस्त दिखाई देगा। प्रत्येक इंसान तनावग्रस्त है। जीवन शैली इतनी नीरस हो चुकी है कि उमंग-उल्लास तो नदारद हो गए हैं जीवन से। भौतिक सुखों को तलाशते हुए व्यक्ति अपनी आंतरिक शक्तियों को विस्मृत कर चुका है। अनंत सुखों का स्वामी होकर भी व्यक्ति दरिद्र बना हुआ है, वह निरंतर दुःख और तनाव से पीड़ित है। वह कितने ही भौतिक संसाधनों का अम्बार लगा ले, कभी भी सुखी नहीं हो सकता जब तक वह अपने भीतर सुख नहीं ढूंढेगा तब तक दुखों से कैसे मुक्ति पायेगा? हमें सुख की प्राप्ति के लिए पीछे मुड़कर अपनी समृद्ध परम्परा को देखना होगा, अपनाना होगा अपनी प्राचीन पद्धतियों को, जिनसे हमें एक सशक्त मार्ग मिलेगा जिसे हम योग कहते हैं। हमारे भीतर अनंत शक्तियां छिपी हैं, आवश्यकता है उन्हें जगाने की। योग ही एक ऐसा उत्तम एवं सरल मार्ग है जिसके द्वारा हम अपनी शक्तियों को जगाकर अनंत आनंद, शक्तियों एवं शांति को प्राप्त कर सकते हैं। महर्षि पतंजलि ने योगशास्त्र में लिखा है मन की वृत्तियों को रोकना ही योग है। यदि हम अपने अंतःकरण को पवित्र कर मन को नियंत्रित कर सद्कर्म करते हुए जीवन यापन करें तो स्वयं तो अनंत आनंद को प्राप्त करेंगे ही साथ ही सभी को सुख प्रदान करेंगे।

SubQuestion No : 16

Q.16 इस अनुच्छेद का कोई उपयुक्त शीर्षक:

Ans

✔ 1. योग - एक उत्तम मार्ग

✘ 2. समृद्ध परम्परा

✘ 3. नियंत्रण एवं सद्कर्म

✘ 4. दुर्गुणों से त्रस्त

Question ID : **663695431**

Comprehension:

नीचे दिए गये गद्यांश को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों का उत्तर दें।

नजर उठाकर जहाँ भी देखें आपको हर इंसान दुःख, अवसाद, तृष्णा, घृणा, नफरत, ईर्ष्या आदि जैसे दुर्गुणों से त्रस्त दिखाई देगा। प्रत्येक इंसान तनावग्रस्त है। जीवन शैली इतनी नीरस हो चुकी है कि उमंग-उल्लास तो नदारद हो गए हैं जीवन से। भौतिक सुखों को तलाशते हुए व्यक्ति अपनी आंतरिक शक्तियों को विस्मृत कर चुका है। अनंत सुखों का स्वामी होकर भी व्यक्ति दरिद्र बना हुआ है, वह निरंतर दुःख और तनाव से पीड़ित है। वह कितने ही भौतिक संसाधनों का अम्बार लगा ले, कभी भी सुखी नहीं हो सकता जब तक वह अपने भीतर सुख नहीं ढूंढेगा तब तक दुखों से कैसे मुक्ति पायेगा? हमें सुख की प्राप्ति के लिए पीछे मुड़कर अपनी समृद्ध परम्परा को देखना होगा, अपनाना होगा अपनी प्राचीन पद्धतियों को, जिनसे हमें एक सशक्त मार्ग मिलेगा जिसे हम योग कहते हैं। हमारे भीतर अनंत शक्तियां छिपी हैं, आवश्यकता है उन्हें जगाने की। योग ही एक ऐसा उत्तम एवं सरल मार्ग है जिसके द्वारा हम अपनी शक्तियों को जगाकर अनंत आनंद, शक्तियों एवं शांति को प्राप्त कर सकते हैं। महर्षि पतंजलि ने योगशास्त्र में लिखा है मन की वृत्तियों को रोकना ही योग है। यदि हम अपने अंतःकरण को पवित्र कर मन को नियंत्रित कर सद्कर्म करते हुए जीवन यापन करें तो स्वयं तो अनंत आनंद को प्राप्त करेंगे ही साथ ही सभी को सुख प्रदान करेंगे।

SubQuestion No : 17

Q.17 अनुच्छेद के अनुसार भौतिक सुखों को तलाशते हुए व्यक्ति किस चीज को भुला चुका है?

Ans

✘ 1. तनाव को

✘ 2. उमंग-उल्लास को

✘ 3. दूसरों को

✔ 4. आतंरिक शक्तियों को

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Comprehension:

नीचे दिए गये गद्यांश को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों का उत्तर दें।

नजर उठाकर जहाँ भी देखें आपको हर इंसान दुःख, अवसाद, तृष्णा, घृणा, नफरत, ईर्ष्या आदि जैसे दुर्गुणों से त्रस्त दिखाई देगा। प्रत्येक इंसान तनावग्रस्त है। जीवन शैली इतनी नीरस हो चुकी है कि उमंग-उल्लास तो नदारद हो गए हैं जीवन से। भौतिक सुखों को तलाशते हुए व्यक्ति अपनी आंतरिक शक्तियों को विस्मृत कर चुका है। अनंत सुखों का स्वामी होकर भी व्यक्ति दरिद्र बना हुआ है, वह निरंतर दुःख और तनाव से पीड़ित है। वह कितने ही भौतिक संसाधनों का अम्बार लगा ले, कभी भी सुखी नहीं हो सकता जब तक वह अपने भीतर सुख नहीं ढूंढेगा तब तक दुखों से कैसे मुक्ति पायेगा? हमें सुख की प्राप्ति के लिए पीछे मुड़कर अपनी समृद्ध परम्परा को देखना होगा, अपनाना होगा अपनी प्राचीन पद्धतियों को, जिनसे हमें एक सशक्त मार्ग मिलेगा जिसे हम योग कहते हैं। हमारे भीतर अनंत शक्तियां छिपी हैं, आवश्यकता है उन्हें जगाने की। योग ही एक ऐसा उत्तम एवं सरल मार्ग है जिसके द्वारा हम अपनी शक्तियों को जगाकर अनंत आनंद, शक्तियों एवं शांति को प्राप्त कर सकते हैं। महर्षि पतंजलि ने योगशास्त्र में लिखा है मन की वृत्तियों को रोकना ही योग है। यदि हम अपने अंतःकरण को पवित्र कर मन को नियंत्रित कर सद्कर्म करते हुए जीवन यापन करें तो स्वयं तो अनंत आनंद को प्राप्त करेंगे ही साथ ही सभी को सुख प्रदान करेंगे।

SubQuestion No : 18

Q.18 अनुच्छेद में दुःखों से मुक्ति पाने का क्या मार्ग बताया गया है?

Ans

✗ 1. भौतिक संसाधनों जुटाना

✗ 2. तनाव से पीड़ित रहना

✓ 3. भीतर के सुख को पहचानना

✗ 4. अनंत सुखो का साधन जुटाना

Question ID : **663695428**

Comprehension:

नीचे दिए गये गद्यांश को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों का उत्तर दें।

नजर उठाकर जहाँ भी देखें आपको हर इंसान दुःख, अवसाद, तृष्णा, घृणा, नफरत, ईर्ष्या आदि जैसे दुर्गुणों से त्रस्त दिखाई देगा। प्रत्येक इंसान तनावग्रस्त है। जीवन शैली इतनी नीरस हो चुकी है कि उमंग-उल्लास तो नदारद हो गए हैं जीवन से। भौतिक सुखों को तलाशते हुए व्यक्ति अपनी आंतरिक शक्तियों को विस्मृत कर चुका है। अनंत सुखों का स्वामी होकर भी व्यक्ति दरिद्र बना हुआ है, वह निरंतर दुःख और तनाव से पीड़ित है। वह कितने ही भौतिक संसाधनों का अम्बार लगा ले, कभी भी सुखी नहीं हो सकता जब तक वह अपने भीतर सुख नहीं ढूंढेगा तब तक दुखों से कैसे मुक्ति पायेगा? हमें सुख की प्राप्ति के लिए पीछे मुड़कर अपनी समृद्ध परम्परा को देखना होगा, अपनाना होगा अपनी प्राचीन पद्धतियों को, जिनसे हमें एक सशक्त मार्ग मिलेगा जिसे हम योग कहते हैं। हमारे भीतर अनंत शक्तियां छिपी हैं, आवश्यकता है उन्हें जगाने की। योग ही एक ऐसा उत्तम एवं सरल मार्ग है जिसके द्वारा हम अपनी शक्तियों को जगाकर अनंत आनंद, शक्तियों एवं शांति को प्राप्त कर सकते हैं। महर्षि पतंजलि ने योगशास्त्र में लिखा है मन की वृत्तियों को रोकना ही योग है। यदि हम अपने अंतःकरण को पवित्र कर मन को नियंत्रित कर सद्कर्म करते हुए जीवन यापन करें तो स्वयं तो अनंत आनंद को प्राप्त करेंगे ही साथ ही सभी को सुख प्रदान करेंगे।

SubQuestion No : 19

Q.19 अनंत आनंद एवं शांति को प्राप्त करने का क्या तरीका बताया गया है?

Ans

✗ 1. शांति भरी नींद

✓ 2. योग

✗ 3. नवीन पद्धतियाँ

✗ 4. ढेर सारी शक्तियाँ

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Comprehension:

नीचे दिए गये गद्यांश को ध्यानपूर्वक पढ़ें और नीचे दिए गए प्रश्नों का उत्तर दें।

नजर उठाकर जहाँ भी देखें आपको हर इंसान दुःख, अवसाद, तृष्णा, घृणा, नफरत, ईर्ष्या आदि जैसे दुर्गुणों से त्रस्त दिखाई देगा। प्रत्येक इंसान तनावग्रस्त है। जीवन शैली इतनी नीरस हो चुकी है कि उमंग-उल्लास तो नदारद हो गए हैं जीवन से। भौतिक सुखों को तलाशते हुए व्यक्ति अपनी आंतरिक शक्तियों को विस्मृत कर चुका है। अनंत सुखों का स्वामी होकर भी व्यक्ति दरिद्र बना हुआ है, वह निरंतर दुःख और तनाव से पीड़ित है। वह कितने ही भौतिक संसाधनों का अम्बार लगा ले, कभी भी सुखी नहीं हो सकता जब तक वह अपने भीतर सुख नहीं ढूंढेगा तब तक दुखों से कैसे मुक्ति पायेगा? हमें सुख की प्राप्ति के लिए पीछे मुड़कर अपनी समृद्ध परम्परा को देखना होगा, अपनाना होगा अपनी प्राचीन पद्धतियों को, जिनसे हमें एक सशक्त मार्ग मिलेगा जिसे हम योग कहते हैं। हमारे भीतर अनंत शक्तियां छिपी हैं, आवश्यकता है उन्हें जगाने की। योग ही एक ऐसा उत्तम एवं सरल मार्ग है जिसके द्वारा हम अपनी शक्तियों को जगाकर अनंत आनंद, शक्तियों एवं शांति को प्राप्त कर सकते हैं। महर्षि पतंजलि ने योगशास्त्र में लिखा है मन की वृत्तियों को रोकना ही योग है। यदि हम अपने अंतःकरण को पवित्र कर मन को नियंत्रित कर सद्कर्म करते हुए जीवन यापन करें तो स्वयं तो अनंत आनंद को प्राप्त करेंगे ही साथ ही सभी को सुख प्रदान करेंगे।

SubQuestion No : 20

Q.20 निम्नलिखित में से कौन सा प्राचीन का पर्यायवाची शब्द है?

Ans
✗ 1. दीवार
✗ 2. पर्याप्त
✓ 3. पुरातन
✗ 4. नवीन

Question ID : **663695430**

Section : **General English**

Q.1 Four words are given, out of which only one word is spelt correctly. Choose the CORRECTLY spelt word.

Ans
✗ 1. apease
✗ 2. appeasse
✗ 3. apeasse
✓ 4. appease

Question ID : **663695441**

Q.2 Select the most appropriate 'one word' for the expressions given below.

A large natural or artificial lake used as a source of watersupply

Ans
✗ 1. Regalia
✗ 2. Rummage
✓ 3. Reservoir
✗ 4. Reticent

Question ID : **663695446**

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Q.3 **Fill in the blank with the most appropriate choice.**

Her _____ of ice cream and cookies is due to her Olympic team training.

Ans
1. negation
2. delegation
3. abnegation
4. abberation

Question ID : **663695436**

Q.4 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

Neither of the customers (nor the bartender had so much so noticed) him leave his seat.

Ans
1. or the bartender had so much as noticed
2. nor the bartender had so much but noticed
3. No correction required
4. nor the bartender had so much as noticed

Question ID : **663695434**

Q.5 **Select the most appropriate 'one word' for the expressions given below.**

Lots of energy and style

Ans
1. Panache
2. Parlance
3. Panacea
4. Parsimony

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Question ID : **663695445**

Q.6 **Select the word that is ANTONYM (opposite in meaning) to the word given below.**

eschew

Ans
1. embrace
2. abjure
3. shun
4. renounce

Question ID : **663695440**

Q.7 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

The two monsters battled it/ out on the Mount Fuji and wrestled/ into the ocean.

Ans
1. out on the Mount Fuji and wrestled
2. into the ocean.
3. The two monsters battled it
4. No Error

Question ID : **663695433**

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Q.8 **Select the most appropriate meaning of the given idiom.**

Idle hands are the devil's tools

Ans
1. When one thing goes wrong, then another, and another...
2. You are more likely to get in trouble if you have nothing to do
3. When you already have it good and get something on top of what you already have
4. Do something exactly right or say something exactly right

Question ID : **663695444**

Q.9 **The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.**

One of the bankers involved/ in the stock market scam/ were finally caught.

Ans
1. were finally caught.
2. No Error
3. in the stock market scam
4. One of the bankers involved

Question ID : **663695432**

Q.10 **Four words are given, out of which only one word is spelt correctly. Choose the CORRECTLY spelt word.**

Ans
1. arbitrary
2. arbritary
3. arbritrary
4. arbritry

Question ID : **663695442**

Q.11 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

Mason points out that (accusations in collusion for the two) companies were nothing new.

Ans
1. accusations for collusion by the two
2. accusations of collusion between the two
3. No correction required
4. accusations with collusion for the two

Question ID : **663695435**

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Q.12 **The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.**

The big-bang model is based on two assumptions.

P. This principle applies only to the large-scale properties of the universe, but it does imply that the universe has no edge, so that the big-bang origin occurred not at a particular point in space but rather throughout space at the same time.
Q. These two assumptions make it possible to calculate the history of the cosmos after a certain epoch called the Planck time.
R. The first is that Albert Einstein's general theory of relativity correctly describes the gravitational interaction of all matter.
S. The second assumption, called the cosmological principle, states that an observer's view of the universe depends neither on the direction in which he looks nor on his location.

Scientists have yet to determine what prevailed before Planck time.

Ans
✗ 1. RQSP
✗ 2. RPSQ
✓ 3. RSPQ
✗ 4. RQPS

Question ID : **663695438**

Q.13 **Fill in the blank with the most appropriate choice.**

Since I don't like orange _____, I purchase non-pulp orange juice from the grocery store.

Ans
✓ 1. pith
✗ 2. statolith
✗ 3. monolith
✗ 4. frith

Question ID : **663695437**

Q.14 **Select the word that is SYNONYM (similar in meaning) to the word given below.**

mollify

Ans
✗ 1. aggravate
✗ 2. prolong
✓ 3. allay
✗ 4. intensify

Question ID : **663695439**

Q.15 **Select the most appropriate meaning of the given idiom.**

Hit below the belt

Ans
✗ 1. A tedious job
✓ 2. Contrary to the principles of fairness
✗ 3. Angry and overcome by emotions
✗ 4. With full devotion

Question ID : **663695443**

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Comprehension:

Read the following passage carefully and answer the questions given below.

The debate on whether Australia will have a nation-wide carbon trading scheme ended last week with the government committed to a national emissions scheme from 2012. However, the decision-making as to how we power the economy in a carbon constrained world is only just beginning. Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades. The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them. Ironically, the income may help develop the technologies to replace them, but it is a matter of which and when.
Almost certainly, in the race to reduce emissions, new technologies such as solar, wind and geothermal (heat from rocks) power will compete against gas, clean coal and perhaps nuclear energy to win the hearts and minds of the business world. In the end, business will favour whatever is a cheap, abundant and reliable solution. You can imagine the lobbying that will ensue from the different interest groups, to attract business capital and government support so that their technology wins out. There may be many collapsed ventures and lost fortunes along the way.

SubQuestion No : 16

Q.16 What does the line, "Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades." mean?

Ans ✔ 1. Fossil fuels have been used the supporting pillar for our economic growth for power consumption for decades.

✘ 2. Fossil fuels have been causing great harm to the environment when used to produce energy.

✘ 3. Fossil fuels have been causing a decline in the economic growth for power consumption for decades.

✘ 4. Fossil fuels have been used for years to produce and meet our energy needs.

Question ID : **663695452**

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Comprehension:

Read the following passage carefully and answer the questions given below.

The debate on whether Australia will have a nation-wide carbon trading scheme ended last week with the government committed to a national emissions scheme from 2012. However, the decision-making as to how we power the economy in a carbon constrained world is only just beginning. Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades. The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them. Ironically, the income may help develop the technologies to replace them, but it is a matter of which and when.
Almost certainly, in the race to reduce emissions, new technologies such as solar, wind and geothermal (heat from rocks) power will compete against gas, clean coal and perhaps nuclear energy to win the hearts and minds of the business world. In the end, business will favour whatever is a cheap, abundant and reliable solution. You can imagine the lobbying that will ensue from the different interest groups, to attract business capital and government support so that their technology wins out. There may be many collapsed ventures and lost fortunes along the way.

SubQuestion No : 17

Q.17 According to the passage, which of the following option is INCORRECT?

Ans ✔ 1. Coal, gas, and, geothermal are all types of fossil fuels.

✘ 2. The income generated from mining fossil fuels may help develop the technologies to replace them.

✘ 3. Fossil fuels have been used for years to produce and meet our energy needs.

✘ 4. New technologies such as solar, wind and geothermal power will compete against gas, clean coal and perhaps nuclear energy.

Question ID : **663695451**

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Comprehension:

Read the following passage carefully and answer the questions given below.

The debate on whether Australia will have a nation-wide carbon trading scheme ended last week with the government committed to a national emissions scheme from 2012. However, the decision-making as to how we power the economy in a carbon constrained world is only just beginning. Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades. The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them. Ironically, the income may help develop the technologies to replace them, but it is a matter of which and when.
Almost certainly, in the race to reduce emissions, new technologies such as solar, wind and geothermal (heat from rocks) power will compete against gas, clean coal and perhaps nuclear energy to win the hearts and minds of the business world. In the end, business will favour whatever is a cheap, abundant and reliable solution. You can imagine the lobbying that will ensue from the different interest groups, to attract business capital and government support so that their technology wins out. There may be many collapsed ventures and lost fortunes along the way.

SubQuestion No : 18

Q.18 Which of the following is NOT a fossil fuel?

Ans
✔ 1. Geothermal
✘ 2. Gas
✘ 3. Oil
✘ 4. Coal

Question ID : **663695450**

Comprehension:

Read the following passage carefully and answer the questions given below.

The debate on whether Australia will have a nation-wide carbon trading scheme ended last week with the government committed to a national emissions scheme from 2012. However, the decision-making as to how we power the economy in a carbon constrained world is only just beginning. Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades. The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them. Ironically, the income may help develop the technologies to replace them, but it is a matter of which and when.
Almost certainly, in the race to reduce emissions, new technologies such as solar, wind and geothermal (heat from rocks) power will compete against gas, clean coal and perhaps nuclear energy to win the hearts and minds of the business world. In the end, business will favour whatever is a cheap, abundant and reliable solution. You can imagine the lobbying that will ensue from the different interest groups, to attract business capital and government support so that their technology wins out. There may be many collapsed ventures and lost fortunes along the way.

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SubQuestion No : 19

Q.19 When was the Australian national emissions scheme formed?

Ans
✘ 1. 1911
✘ 2. 1914
✔ 3. 2012
✘ 4. 2008

Question ID : **663695448**

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Comprehension:

Read the following passage carefully and answer the questions given below.

The debate on whether Australia will have a nation-wide carbon trading scheme ended last week with the government committed to a national emissions scheme from 2012. However, the decision-making as to how we power the economy in a carbon constrained world is only just beginning. Fossil fuels like coal and oil have underpinned our economic growth and standard of living for decades. The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them. Ironically, the income may help develop the technologies to replace them, but it is a matter of which and when.
Almost certainly, in the race to reduce emissions, new technologies such as solar, wind and geothermal (heat from rocks) power will compete against gas, clean coal and perhaps nuclear energy to win the hearts and minds of the business world. In the end, business will favour whatever is a cheap, abundant and reliable solution. You can imagine the lobbying that will ensue from the different interest groups, to attract business capital and government support so that their technology wins out. There may be many collapsed ventures and lost fortunes along the way.

SubQuestion No : 20

Q.20 Which country is being talked about in the line "The current resources boom is there because other countries want our fossil fuels, and for all these reasons it is profitable to keep mining them."?

Ans
✔ 1. Australia
✘ 2. England
✘ 3. U.A.E
✘ 4. U.S.A.

Question ID : **663695449**

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Section : **Discipline1**

Q.1 A CEO expresses his vision to employees in an organization. What is the type of communication here?

Ans
✘ 1. Lateral Communication
✘ 2. Upward Communication
✔ 3. Downward Communication
✘ 4. Informal Communication

Question ID : **663695453**

Q.2 Which of the following is NOT a type of arrangement of dimensions?

Ans
✘ 1. Combined dimensioning
✘ 2. Chain dimensioning
✘ 3. Parallel dimensioning
✔ 4. Imposed dimensioning

Question ID : **663695469**

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Q.3 Which of the following is NOT a part of a typical computer window?

Ans
✗ 1. Title bar
✗ 2. Menu bar
✗ 3. Scroll bar
✓ 4. Slider

Question ID : **663695467**

Q.4 _____ views are views that are created by cutting into or through a part or assembly.

Ans
✗ 1. Projected
✗ 2. Auxiliary
✗ 3. Base
✓ 4. Sectional

Question ID : **663695471**

Q.5 When the pressure and volume of a gas change, but no heat is allowed to enter or leave the gas, it is called _____.

Ans
✗ 1. Isobaric Change
✓ 2. Adiabatic Change
✗ 3. Isentropic Change
✗ 4. Isothermal Change

Question ID : **663695463**

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Q.6 What does NOT contribute to poor attitude of the employees?

Ans
✗ 1. Poor working environments
✗ 2. Absence of recognition and reward system
✗ 3. Lack of transparency
✓ 4. Presence of grievance redressal mechanism

Question ID : **663695457**

Q.7 A _____ topology features a central connection point called a "hub" that may be a hub, switch or router.

Ans
✗ 1. Ring
✗ 2. Mesh
✗ 3. Hub
✓ 4. Star

Question ID : **663695468**

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Q.8 Which of the following is NOT a part of five core human values?

Ans
✗ 1. Right conduct
✓ 2. Violence
✗ 3. Truth
✗ 4. Peace

Question ID : **663695458**

Q.9 _____ of an element is a determinant obtained by deleting the row and column in which that element occurs.

Ans
✗ 1. Co-factor
✓ 2. Minor
✗ 3. Order
✗ 4. Matrix

Question ID : **663695459**

Q.10 Which of the following is NOT a part of theme speech?

Ans
✗ 1. Introduction
✗ 2. Body
✗ 3. Conclusion
✓ 4. Salutation

Question ID : **663695455**

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Q.11 When you are giving a Welcome or Introductory speech, which point should be kept in mind?

Ans
✗ 1. It's not necessary to express happiness on the fact that the speakers/guests have accepted the invite and have come over.
✗ 2. Mis-pronouncements is considered ok if audience is cheering.
✗ 3. Don't be bothered about the names, initials and so on.
✓ 4. If you are not known to the audience, introduce yourself before you welcome and introduce others.

Question ID : **663695454**

Q.12 Identify the type of symmetry from the given equation (while tracing curves in symmetric form): $x^2 = 4ay$

Ans
✗ 1. Symmetric about origin
✗ 2. Symmetric about both x- and y-axis
✗ 3. Symmetric about x-axis
✓ 4. Symmetric about y-axis

Question ID : **663695461**

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Q.13 If a person asks "What is a profession?", then what kind of inquiry is it?

Ans
✗ 1. Descriptive Inquiry
✗ 2. Normative Inquiry
✗ 3. Confirmation Inquiry
✓ 4. Conceptual Inquiry

Question ID : **663695456**

Q.14 Two or more than two forces that lie on same plane are called _____.

Ans
✗ 1. Concurrent forces
✓ 2. Coplanar forces
✗ 3. Frictional forces
✗ 4. Parallel forces

Question ID : **663695464**

Q.15 Which of the following is a characteristic of dynamic RAM?

Ans
✗ 1. It has long life
✗ 2. Large size
✗ 3. High power consumption
✓ 4. Need to be refreshed continuously

Question ID : **663695465**

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Q.16 Which of the following is a property of streamline flow?

Ans
✗ 1. Streamline flow will happen when the driving pressure is high.
✓ 2. The velocity of all particles in a line of flow is a constant.
✗ 3. There is no orderliness in the flow of liquid.
✗ 4. The velocity of flow is always greater than the critical velocity.

Question ID : **663695462**

Q.17 How many types of perspective projection are there?

Ans
✓ 1. 3
✗ 2. 1
✗ 3. 4
✗ 4. 2

Question ID : **663695470**

Q.18 Two or more elements are in _____ if they are connected to the same two nodes and consequently have the same voltage across them.

Ans
✗ 1. series
✓ 2. parallel
✗ 3. hybrid
✗ 4. concurrency

Question ID : **663695472**

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Q.19 **Express: (3 + 2i) (4 + 2i) in a + ib form**

Ans
✗ 1. 14 + 8i
✗ 2. 16 + 14i
✗ 3. 14 + 16i
✓ 4. 8 + 14i

Question ID : **663695460**

Q.20 **Production of dumps, traces and error messages is a part of which function of OS?**

Ans
✗ 1. File Management
✗ 2. Security
✗ 3. Memory Management
✓ 4. Error Detecting aids

Question ID : **663695466**

Section : **Discipline2**

Q.1 **When are two waveforms said to be in phase?**

Ans
✗ 1. When the phase difference between them is 90.
✗ 2. When the zero point of the current waveform is before the zero point of the voltage waveform.
✗ 3. When the zero point of the current waveform is after the zero point of the voltage waveform.
✓ 4. When the phase difference between them is zero.

Question ID : **663695473**

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Q.2 **What will be the final value in res?**

```
#include
int main(){
int val=0,res=200;
if (val&&(res = val+ 5)){
printf("Hello World");
}
return 0;
}
```

Ans
✓ 1. 200
✗ 2. 0
✗ 3. 210
✗ 4. 205

Question ID : **663695479**

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Q.3 **Microsoft Windows Server 2008 is a type of which OS?**

Ans
✗ 1. Time-sharing Operating System
✗ 2. Distributed Operating System
✓ 3. Network Operating System
✗ 4. Batch Operating System

Question ID : **663695491**

Q.4 **Computer Center is generally divided into how many groups?**

Ans
✗ 1. 1
✗ 2. 2
✗ 3. 4
✓ 4. 3

Question ID : **663695476**

Q.5 **The OS ensures that external I/O devices are protected from invalid access attempts. What kind of service is it?**

Ans
✗ 1. Communication
✗ 2. Error Detection
✗ 3. Resource Allocation
✓ 4. Protection

Question ID : **663695490**

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Q.6 **_____ is an enterprise designed to perform complex and labour-consuming computational work using electronic computers.**

Ans
✗ 1. High Performance Computers
✗ 2. Computer Network
✓ 3. Computer Center
✗ 4. Workstations

Question ID : **663695475**

Q.7 **Heap is a good data structure to implement _____.**

Ans
✗ 1. Deque
✓ 2. Priority queue
✗ 3. Linear queue
✗ 4. Binary Search Tree

Question ID : **663695485**

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Q.8 Which of the following is a non primitive and non linear data structure?

Ans
✗ 1. Queue
✓ 2. Graph
✗ 3. Stack
✗ 4. Integer

Question ID : **663695484**

Q.9 The function which allows the OS to decide which process gets the processor when and for how much time is called _____.

Ans
✓ 1. Process scheduler
✗ 2. I/O controller
✗ 3. Traffic controller
✗ 4. Memory manager

Question ID : **663695488**

Q.10 NPN and PNP are types of which transistors?

Ans
✗ 1. Junction Field Effect Transistor
✓ 2. Bipolar Junction Transistor
✗ 3. Insulated-gate bipolar transistors
✗ 4. Field-effect transistors

Question ID : **663695474**

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Q.11 Which of the following is NOT a basic operation on a deque?

Ans
✗ 1. enqueue_front
✗ 2. dequeue_front
✓ 3. enqueue_top
✗ 4. enqueue_rear

Question ID : **663695487**

Q.12 What is NOT a step in selecting a computer-family?

Ans
✗ 1. Identification of possible vendors and manufacturers
✗ 2. Determination of mandatory requirements
✓ 3. Neglecting vendors' compliance with mandatory requirements
✗ 4. Primary elimination of irrelevant candidates

Question ID : **663695477**

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Q.13 A _____ list is one, which has both the successor pointer and predecessor pointer in the circular manner.

Ans
✔ 1. Circular Double Linked List
✘ 2. Single Linked List
✘ 3. Double Linked List
✘ 4. Circular Linked List

Question ID : **663695486**

Q.14 What is the formula to calculate economic efficiency percentage?

Ans
✘ 1. (Heat equivalent of mechanical energy produced / Heat equivalent of fuel used) × 100
✘ 2. (Standard overhead rate × (Actual hours - Standard hours)) × 100
✘ 3. ((Actual hours - Standard hours) × Standard rate) × 100
✔ 4. (Worth /Cost) × 100

Question ID : **663695482**

Q.15 An industry wants to source its raw materials either from a nearby place or from a far-off place. What factor should NOT be considered in this scenario?

Ans
✘ 1. Transportation cost of the raw material
✘ 2. Price of the raw material
✔ 3. Quantity of the raw material
✘ 4. Quality of the raw material

Question ID : **663695483**

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Q.16 What will be the output of following C code?

```
#include
int main(){
int a=1,b=-1,c=0;
printf("%d",a||b&&c);
return 0;
}
```

Ans
✘ 1. Error
✔ 2. 1
✘ 3. 0
✘ 4. -1

Question ID : **663695478**

Q.17 Which of the following is NOT a factor influencing demand?

Ans
✘ 1. Prices of goods
✘ 2. Income of the people
✘ 3. Tastes of consumers
✔ 4. Government policies

Question ID : **663695481**

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Q.18 **Which of the following device operates at the network layer of the OSI model?**

Ans
✗ 1. Bridge
✗ 2. Hubs
✗ 3. Network Interface Card
✓ 4. Routers

Question ID : **663695492**

Q.19 **What will happen when following program executes?**

```
#include
int main(){
if (0=='0')
printf("Yes");
else
printf("No");
return 0;
}
```

Ans
✗ 1. Error
✓ 2. No
✗ 3. Yes
✗ 4. Nothing is displayed

Question ID : **663695480**

Q.20 **Which of the following is a disadvantage of Network Operating System?**

Ans
✗ 1. Remote access to servers is possible from different locations
✗ 2. Security is server managed
✗ 3. Centralized servers are highly stable
✓ 4. Regular maintenance and updates are required

Question ID : **663695489**

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Section : **Discipline3**

Q.1 **Identify the type of addressing from given instruction.**

MVI A, 06

Ans
✗ 1. Register Addressing
✗ 2. Relation Addressing
✗ 3. Register Indirect Addressing
✓ 4. Immediate Addressing

Question ID : **663695501**

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Q.2 The computer which serves as a central storage point for files or application programs shared on the network is called _____.

Ans
✗ 1. Peer
✗ 2. Distributed system
✗ 3. Client
✓ 4. Server

Question ID : **663695494**

Q.3 Which of the following is NOT a category of multimedia?

Ans
✗ 1. Interactive
✗ 2. Real-time
✓ 3. Static
✗ 4. Linear

Question ID : **663695512**

Q.4 Identify the language from the query.

create table account (account-number char(10), balance integer)

Ans
✗ 1. Transaction Control Language
✗ 2. Data Manipulation Language
✗ 3. Data Control Language
✓ 4. Data Definition Language

Question ID : **663695504**

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Q.5 _____ reduces the size of a digital file by removing bits of information that a computer can recreate when processed.

Ans
✓ 1. Digital compression
✗ 2. Rendering
✗ 3. Animation
✗ 4. Production

Question ID : **663695511**

Q.6 What are the operators in C++ that are used to format the data display called?

Ans
✗ 1. Logical Operator
✓ 2. Manipulators
✗ 3. Assignment Operator
✗ 4. Formatter

Question ID : **663695498**

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Q.7 How is a class made abstract in C++?

Ans
- ✗ 1. Declaring at least one of its functions as friend function
- ✗ 2. Declaring at least one of its functions as virtual function
- ✓ 3. Declaring at least one of its functions as pure virtual function
- ✗ 4. Declaring at least one of its functions as static function

Question ID : **663695496**

Q.8 Which among the following is NOT an application of OOPs?

Ans
- ✗ 1. Object oriented databases
- ✗ 2. AI and expert systems
- ✓ 3. SQL injection
- ✗ 4. Real – Time systems

Question ID : **663695497**

Q.9 Which shell is used in Linux?

Ans
- ✗ 1. Explorer
- ✓ 2. Bourne Again shell
- ✗ 3. Powershell
- ✗ 4. Command prompt

Question ID : **663695510**

Q.10 A _____ DBMS can support multiple users, but the DBMS and the database themselves reside totally at a single computer site.

Ans
- ✗ 1. Distributed
- ✗ 2. Single-user systems
- ✗ 3. Multiuser systems
- ✓ 4. Centralized

Question ID : **663695505**

Q.11 Which among the following is NOT a benefit of normalized relational database?

Ans
- ✗ 1. Elimination of redundant data storage.
- ✗ 2. Makes database more efficient and reliable.
- ✓ 3. Destructuring of data so that the model is flexible.
- ✗ 4. Close modelling of real world entities, processes, and their relationships.

Question ID : **663695506**

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Q.12 Which among the following is a property of database transaction that states "it cannot be divided up any further"?

Ans
- ✗ 1. Consistency
- ✓ 2. Atomicity
- ✗ 3. Durability
- ✗ 4. Isolation

Question ID : **663695503**

Q.13 Which among the following registers stores information that is being sent to, or received from, the memory along the bidirectional data bus?

Ans
- ✓ 1. Memory Buffer Register
- ✗ 2. Program Counter
- ✗ 3. Memory Address Register
- ✗ 4. Index Register

Question ID : **663695502**

Q.14 Which ring does Linux OS use?

Ans
- ✗ 1. Ring 1&3
- ✗ 2. Ring 0&1
- ✗ 3. Ring 0,1&3
- ✓ 4. Ring 0&3

Question ID : **663695507**

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Q.15 Which among the following bus is unidirectional?

Ans
- ✗ 1. Local Bus
- ✓ 2. Address Bus
- ✗ 3. Data Bus
- ✗ 4. Control Bus

Question ID : **663695500**

Q.16 Which layer of the OSI model provides reliability through fault detection and recovery?

Ans
- ✓ 1. Transport
- ✗ 2. Session
- ✗ 3. Network
- ✗ 4. Data Link

Question ID : **663695493**

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Q.17 Which among the following RAMs transfers data on both edges of the clock?

Ans
- ✗ 1. S-RAM
- ✓ 2. DDR-SDRAM
- ✗ 3. D-RAM
- ✗ 4. SDRAM

Question ID : **663695499**

Q.18 Which among the following is a disadvantage of Linux OS?

Ans
- ✗ 1. Linux is portable to any hardware platform
- ✗ 2. Linux is free
- ✗ 3. Linux was made to keep on running
- ✓ 4. Linux is not very user friendly

Question ID : **663695508**

Q.19 Which among the following Linux commands is used to display a list of files in the current working directory?

Ans
- ✓ 1. ls
- ✗ 2. apropos
- ✗ 3. pwd
- ✗ 4. info

Question ID : **663695509**

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Q.20 A group of objects that share common properties for data part and some program part are collectively called as _____.

Ans
- ✗ 1. Member functions
- ✓ 2. Class
- ✗ 3. Structure
- ✗ 4. Nested Objects

Question ID : **663695495**

Section : **Discipline4**

Q.1 What is a type of computer application used to create a virtual environment?

Ans
- ✗ 1. Virtual Disk Image
- ✓ 2. Virtual Machines
- ✗ 3. Kernel
- ✗ 4. Virtual Box

Question ID : **663695532**

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Q.2 What Visual Basic control can be used to have a box that displays text that CANNOT be changed by the user?

Ans
- ✗ 1. TextBox
- ✗ 2. Form
- ✗ 3. PictureBox
- ✓ 4. Label

Question ID : **663695516**

Q.3 What is used to lookup for the address of the web server?

Ans
- ✗ 1. Storage Server
- ✗ 2. Remote Server
- ✗ 3. DHCP Server
- ✓ 4. DNS Server

Question ID : **663695528**

Q.4 Which among the following is NOT a Collection class in Visual Basic?

Ans
- ✓ 1. HashMap
- ✗ 2. BitArray
- ✗ 3. ArrayList
- ✗ 4. Stack

Question ID : **663695518**

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Q.5 What is the second phase in waterfall model?

Ans
- ✓ 1. System design
- ✗ 2. Requirements analysis and specification
- ✗ 3. Implementation and unit testing
- ✗ 4. Operation and maintenance

Question ID : **663695522**

Q.6 What is the fourth step in DMADV methodology?

Ans
- ✗ 1. Verify
- ✓ 2. Design
- ✗ 3. Analyze
- ✗ 4. Define

Question ID : **663695521**

Q.7 Which of the following is a disadvantage of client-server networks?

Ans
- ✗ 1. Centralized
- ✗ 2. Security
- ✗ 3. Scalability
- ✓ 4. Traffic Congestion

Question ID : **663695526**

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Q.8 Which statement is used to declare a variable in visual basic?

Ans
✗ 1. Var
✓ 2. Dim
✗ 3. Sub
✗ 4. Declare

Question ID : **663695517**

Q.9 Which among the following is NOT a type of feasibility while developing a software?

Ans
✗ 1. Operational Feasibility
✗ 2. Technical Feasibility
✓ 3. Capital Feasibility
✗ 4. Economic Feasibility

Question ID : **663695520**

Q.10 Which among the following is NOT a feature of 8085 microprocessor?

Ans
✓ 1. It has an 8-bit address bus
✗ 2. Data bus is a group of 8 lines D0-D7
✗ 3. It is an 8-bit microprocessor
✗ 4. It has 16 bit program counter

Question ID : **663695525**

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Q.11 Which among the following server remembers client data from one request to the next?

Ans
✓ 1. Stateful server
✗ 2. Stateless server
✗ 3. DNS Server
✗ 4. DHCP server

Question ID : **663695530**

Q.12 How many ways of communication are there in which the microprocessor can connect with the outside world?

Ans
✗ 1. 3
✓ 2. 2
✗ 3. 1
✗ 4. 4

Question ID : **663695524**

Q.13 Which among the following is a multimedia authoring tool?

Ans
✗ 1. Adobe Photoshop
✗ 2. Adobe Premiere
✗ 3. Windows Media Player
✓ 4. Macromedia Director

Question ID : **663695513**

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Q.14 What is the web browser with little functionality of its own called?

Ans
✗ 1. Thick server
✗ 2. Thin server
✗ 3. Thick client
✓ 4. Thin client

Question ID : **663695527**

Q.15 Which flag in 8086 microprocessor represents the result when the system capacity is exceeded?

Ans
✗ 1. Auxiliary flag
✗ 2. Interrupt flag
✓ 3. Overflow flag
✗ 4. Trap flag

Question ID : **663695523**

Q.16 What is the tier between the data tier and the server tier called in multi-tier architecture?

Ans
✓ 1. Middleware
✗ 2. Client tier
✗ 3. Backend
✗ 4. Frontend

Question ID : **663695529**

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Q.17 Which among the following is NOT a Visual Basic Control?

Ans
✗ 1. CheckBox
✗ 2. GroupBox
✗ 3. PictureBox
✓ 4. RadioBox

Question ID : **663695519**

Q.18 Which protocol is used on the Internet for transmitting real-time data such as audio and video?

Ans
✗ 1. File Transfer Protocol
✗ 2. Simple Network Management Protocol
✗ 3. Simple Mail Transfer Protocol
✓ 4. Real-Time Transport Protocol

Question ID : **663695514**

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Q.19 What is the first layer in Multimedia Framework Architecture?

Ans
- ✔ 1. MMHardware and System Software Layer
- ✘ 2. Presentation Layer
- ✘ 3. A/V Streams Control Layer
- ✘ 4. MMHardware CORBA Server Layer

Question ID : **663695515**

Q.20 What is a program which is used to translate an assembly language program into its machine level language equivalent?

Ans
- ✔ 1. Assembler
- ✘ 2. Linker
- ✘ 3. Compiler
- ✘ 4. Interpreter

Question ID : **663695531**

Section : **Discipline5**

Q.1 Which HTML element is used when users want to enter more than just one line of text?

Ans
- ✘ 1.
- ✘ 2.
- ✔ 3.
- ✘ 4.

Question ID : **663695537**

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Q.2 What is a technique by which the Uplink and the Downlink transmissions are carried over the same frequency by using synchronized time intervals?

Ans
- ✔ 1. Time Division Duplex
- ✘ 2. Frequency Division Duplex
- ✘ 3. Channel Separation
- ✘ 4. Channel Raster

Question ID : **663695550**

Q.3 What is a computer system in which computation tasks are distributed among several processors?

Ans
- ✘ 1. Layered System
- ✘ 2. Network Operating System
- ✔ 3. Distributed System
- ✘ 4. Real Time System

Question ID : **663695533**

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Q.4 Which of the following is NOT an economic factor that affects the entrepreneurial growth?

Ans
✗ 1. Labour
✓ 2. Cryptocurrency
✗ 3. Raw material
✗ 4. Capital

Question ID : **663695539**

Q.5 Which HTML element is used to create a logical grouping of content or elements on a page?

Ans
✓ 1.
✗ 2.
✗ 3.
✗ 4.

Question ID : **663695536**

Q.6 Which port is used by HTTP?

Ans
✗ 1. 24
✗ 2. 68
✗ 3. 443
✓ 4. 80

Question ID : **663695544**

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Q.7 What is an international organization with the aim of setting standards for HTML use?

Ans
✗ 1. International Electrotechnical Commission
✗ 2. World Standards Cooperation
✗ 3. IEEE
✓ 4. W3C Consortium

Question ID : **663695534**

Q.8 Which of the following is NOT an example of WAN provider?

Ans
✗ 1. Verizon
✓ 2. Spyder
✗ 3. AT & T
✗ 4. Bell Atlantic

Question ID : **663695546**

Q.9 Which of the following is NOT a characteristic of an entrepreneur?

Ans
✓ 1. Unclear objectives
✗ 2. Risk bearer
✗ 3. Independence
✗ 4. Hard work

Question ID : **663695538**

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Q.10 Which of the following network technology is NOT based on scale?

Ans
✗ 1. LAN
✓ 2. Multipoint
✗ 3. WAN
✗ 4. MAN

Question ID : **663695547**

Q.11 What is the element that gives developers a semantic way to identify navigation for a site?

Ans
✗ 1.
✗ 2.
✓ 3.
✗ 4.

Question ID : **663695535**

Q.12 What is a collection of tools for network monitoring and control?

Ans
✗ 1. Service provider
✓ 2. Network management system
✗ 3. Network controllers
✗ 4. Network administration

Question ID : **663695545**

Q.13 Which among the following multiple access techniques divides the radio spectrum into time slots, and in each slot, only one user is allowed to either transmit or receive data?

Ans
✗ 1. CDMA
✗ 2. SDMA
✗ 3. FDMA
✓ 4. TDMA

Question ID : **663695549**

Q.14 How many versions of IP addresses are available?

Ans
✗ 1. 1
✗ 2. 4
✗ 3. 3
✓ 4. 2

Question ID : **663695542**

Q.15 What is NOT a component of GSM network?

Ans
✗ 1. Network Switching Subsystem
✗ 2. Base Station Subsystem
✓ 3. Packet Control Function
✗ 4. Mobile Station

Question ID : **663695551**

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Q.16 What does SNMP rely upon?

Ans
✗ 1. FTP
✗ 2. TCP
✗ 3. BGP
✓ 4. UDP

Question ID : **663695548**

Q.17 Which of the following is NOT a type of ownership structure?

Ans
✗ 1. Partnership
✗ 2. Proprietorship
✓ 3. Promotership
✗ 4. Joint Stock Company

Question ID : **663695540**

Q.18 The source is converted by _____ into an electrical waveform referred to as the baseband signal or message signal.

Ans
✗ 1. transmitter
✗ 2. output transducer
✓ 3. input transducer
✗ 4. receiver

Question ID : **663695552**

Q.19 What is the process that is used by DHCP for providing the IP Address to the clients/host machine?

Ans
✓ 1. DORA
✗ 2. ACK
✗ 3. SYN
✗ 4. FIN

Question ID : **663695543**

Q.20 What type of network is the Internet?

Ans
✗ 1. DAN
✓ 2. WAN
✗ 3. MAN
✗ 4. LAN

Question ID : **663695541**

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