### Combined Graduate Level Examination 2024 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	17/09/2024
Exam Time	4:00 PM - 5:00 PM
Subject	Combined Graduate Level Examination Tier I

Section : General Intelligence and Reasoning

Q.1 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different. The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.

Ans

X 1. KMOP

X 2. NPRS

X 4. EGIJ

Question ID: 63068062114

Option 1 ID: 630680239775

Option 2 ID: 630680239776

Option 3 ID: 630680239777

Option 4 ID: 630680239774

Status: Answered

Chosen Option: 3

Q.2 Each of the letters in the word 'MUSICAL' is arranged in the English alphabetical order. How many letters are there in the English alphabetical series between the letter which is third from the left end and the one which is third from the right end in the new letter-cluster thus formed?

Ans

X 1. Four

X 2. Two

3. Three

X 4. Five

Question ID: 630680327766 Option 1 ID: 6306801275055 Option 2 ID: 6306801275053 Option 3 ID: 6306801275054 Option 4 ID: 6306801275056

Status: Answered

Q.3 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17:67 21:79

Ans 💜 1. 34 : 118

X 2. 23:69

**X** 3. 33 : 110

X 4. 42 : 100

Question ID: 630680326563
Option 1 ID: 6306801270337
Option 2 ID: 6306801270338
Option 3 ID: 6306801270339
Option 4 ID: 6306801270340

Status : Answered

Chosen Option: 1

Q.4 In a certain code language,

'A + B' means 'A is the mother of B';

'A - B' means 'A is the brother of B';

'A  $\times$  B' means 'A is the sister of B' and

'A ÷ B' means 'A is the daughter of B'.

Based on the above, if 'J + K  $\div$  L - T x R', then how is J related to L?

Ans X 1. Husband's sister

2. Wife

X 3. Father's sister

X 4. Sister

Question ID: 630680312408

Option 1 ID: 6306801215523

Option 2 ID: 6306801215521

Option 3 ID: 6306801215524

Option 4 ID: 6306801215522

Status : **Answered** Chosen Option : **2** 

Q.5 Select the set in which the numbers are related in the same way as are the numbers of

the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (23, 230, 5)

(17, 272, 8)

**Ans** X 1. (14, 210, 5)

**X** 2. (18, 648, 9)

**X** 3. (16, 336, 7)

**4**. (19, 304, 8)

Question ID: 630680336440

Option 1 ID : **6306801308481** Option 2 ID : **6306801308482** Option 3 ID : **6306801308483** 

Option 4 ID : **6306801308484**Status : **Answered** 

Q.6 Select the triad in which the numbers are related in the same way as are the numbers of the given triads.

(54, 65, 76), (48, 59, 70) (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

**Ans** X 1. (42, 57, 68)

**X** 2. (27, 38, 50)

**3**. (38, 49, 60)

**X** 4. (31, 41, 53)

Question ID: 630680319363 Option 1 ID: 6306801242357 Option 2 ID : **6306801242360** Option 3 ID: 6306801242359 Option 4 ID: 6306801242358

Status: Answered

Chosen Option: 3

Q.7 Select the correct mirror image of the given figure when the mirror is placed at MN as

ManG3f

Ans X1. 7 EGueM

Man D3f 2X

Man G3f EV

WanG3f AX

Question ID: 630680356662

Option 1 ID: 6306801388652 Option 2 ID: 6306801388651 Option 3 ID: 6306801388650 Option 4 ID: 6306801388649

Status: Answered

Q.8 Three of the following four options are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans 💢 1

- X 1. 118 93 161
- **✓** 2. 86 − 41 − 38
- **X** 3. 52 36 56
- X 4. 33 15 12

Question ID : 630680196586 Option 1 ID : 630680762646 Option 2 ID : 630680762645 Option 3 ID : 630680762644 Option 4 ID : 630680762643 Status : Answered

Chosen Option: 2

Q.9 Select the term from among the given options that can replace the question mark (?) in the following series.

YL 93, XK 88, WJ 83, VI 78, ?

Ans

- X 1. VI 74
- X 2. UH 72
- X 3. VG 74

Question ID : **630680416232** Option 1 ID : **6306801623694** 

Option 2 ID : **6306801623693** Option 3 ID : **6306801623692** Option 4 ID : **6306801623691** 

Status : Answered

Chosen Option: 4

Q.10 Three statements are given, followed by three conclusions numbered I, II and III.

Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some circles are rectangles. Some rectangles are squares. All squares are triangles.

Conclusions:

- I. No circle is a triangle.
- II. Some rectangles are triangles.
- III. All rectangles are triangles.

Ans

- 1. Both conclusion I and II follow
- X 2. Only conclusion I follows
- X 3. Only conclusion III follows

Question ID: 630680416384
Option 1 ID: 6306801624301
Option 2 ID: 6306801624299
Option 3 ID: 6306801624302
Option 4 ID: 6306801624300

Status : Answered

Q.11 In a certain code language, 'OASIS' is written as 'RJTBN' and 'OBESE' is written as 'DTFCN'. How will 'OCCUR' be written in that language?

Ans

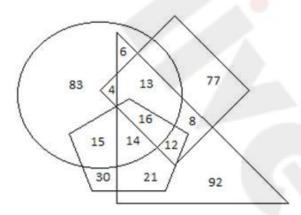
X 1. QVNDD

2. VQDDN3. VQNDD

Question ID: 630680416248
Option 1 ID: 6306801623757
Option 2 ID: 6306801623755
Option 3 ID: 6306801623758
Option 4 ID: 6306801623756
Status: Answered

Chosen Option : 4

Q.12 The diagram given below has four different shapes, depicting different farmers of a small village, with different assets. The circle represents the farmers who own land of more than 100 yards, the pentagon represents farmers who own cows, the rhombus represents farmers who own goats, and the triangle represents farmers who own tractors.



How many farmers are there who have all four assets?

Ans

**1**. 16

X 2. 14

**X** 3. 30

X 4. 21

Question ID: 630680127833

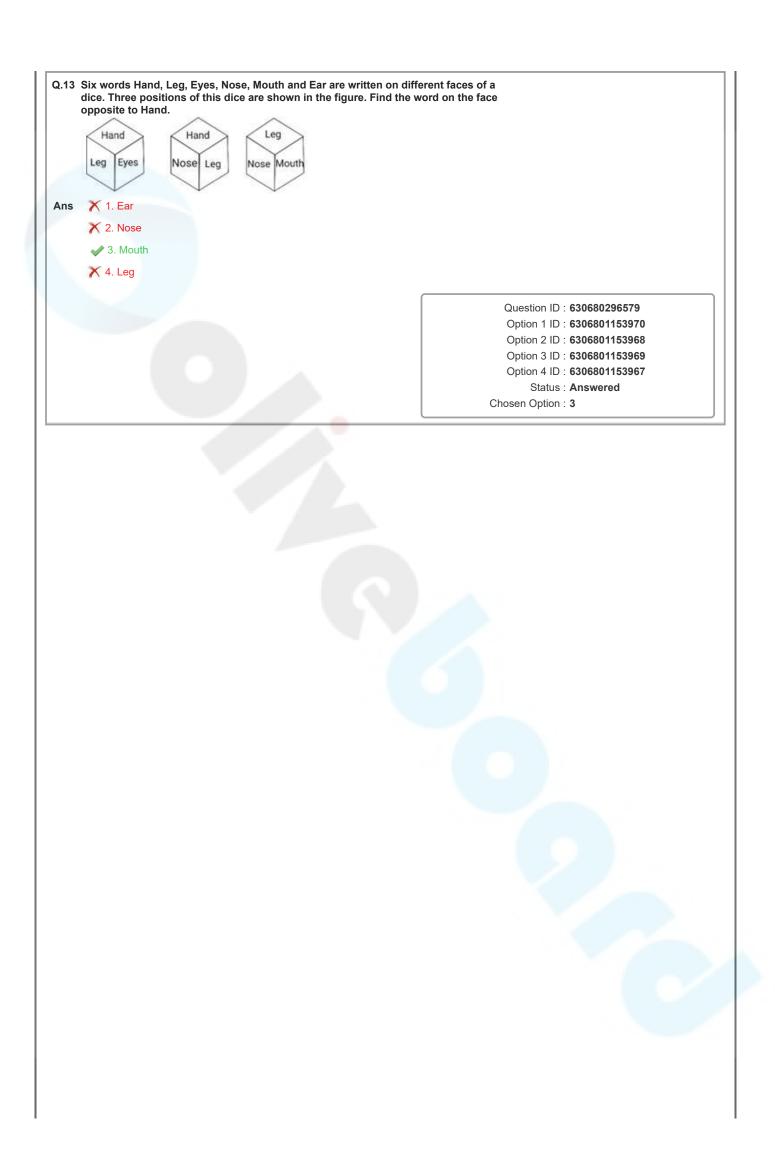
Option 1 ID: 630680495489

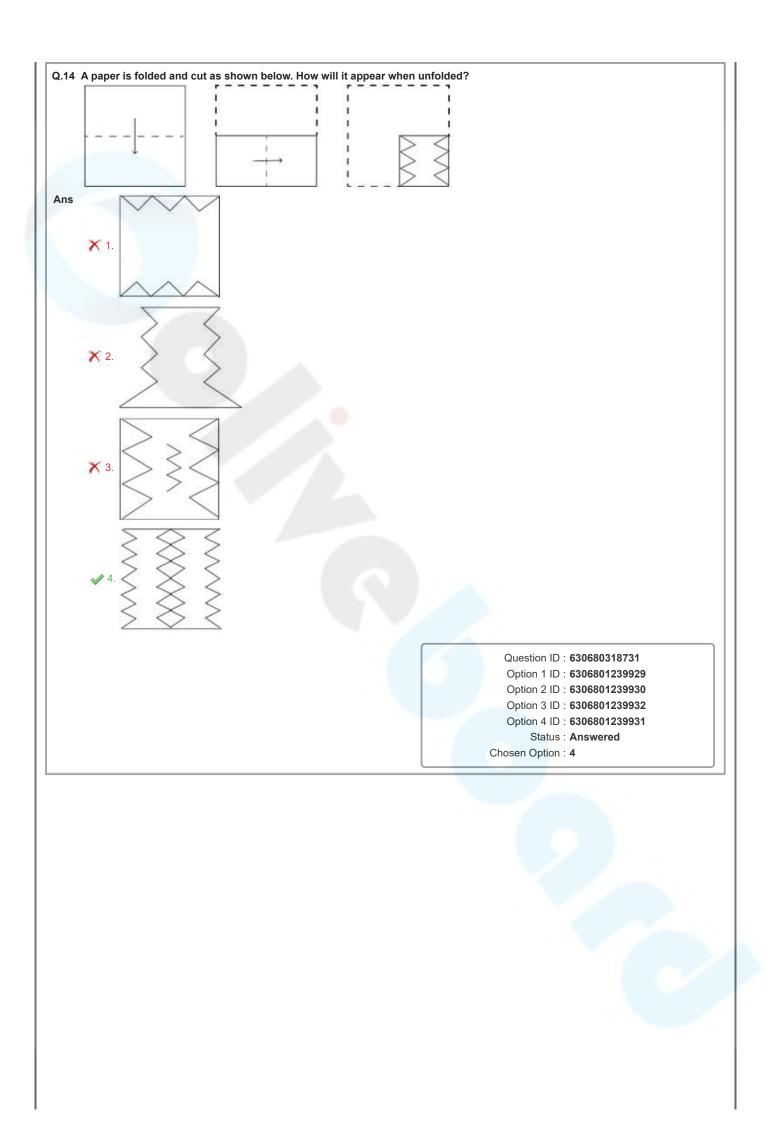
Option 2 ID : 630680495488

Option 3 ID : **630680495491** 

Option 4 ID: 630680495490

Status : Answered





Q.15 How many triangles are there in the given figure?

Ans

X 1. 16

**2**. 12

X 3. 10

X 4. 14

Question ID: 630680287561
Option 1 ID: 6306801118154
Option 2 ID: 6306801118152
Option 3 ID: 6306801118151
Option 4 ID: 6306801118153

Status : Answered

Chosen Option : 2

Q.16 In a certain code language, 'RUG' is coded as 'EPS' and 'SIT' is coded as 'RQG'. How will 'COP' be coded in the same language?

Δn

X 1. MBM

X 2. MBO

**X** 3. NBM

✓ 4. NAM

Question ID: 630680182079

Option 1 ID: 630680705538

Option 2 ID : **630680705539** 

Option 3 ID: 630680705540

Option 4 ID: 630680705541

Status: Not Answered

Chosen Option : --

Q.17 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '\*' and '÷' are interchanged?

 $99 \div 41 + 208 \times 2 - 35 = ?$ 

Ans

**1**. 3990

X 2. 3390

**X** 3. 3890

X 4. 3980

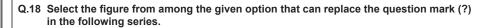
Question ID: 630680411727

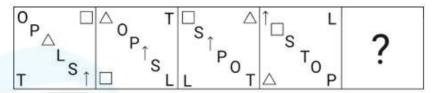
Option 1 ID: 6306801605745

Option 2 ID: 6306801605746

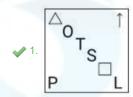
Option 3 ID : 6306801605743

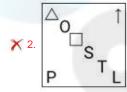
Option 4 ID : **6306801605744**Status : **Answered** 

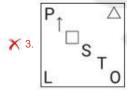


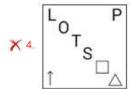


Ans









Question ID: 630680283522 Option 1 ID: 6306801102210

Option 2 ID: 6306801102207 Option 3 ID: 6306801102208 Option 4 ID: 6306801102209 Status : **Answered** 

Chosen Option: 1

Q.19 Select the option that represents the letters that when sequentially placed from left to right in the blanks below will complete the letter series.

Ans 🚀 1. JPPJPJP

X 2. JPJPJPJ

X 3. PPJJJJJ

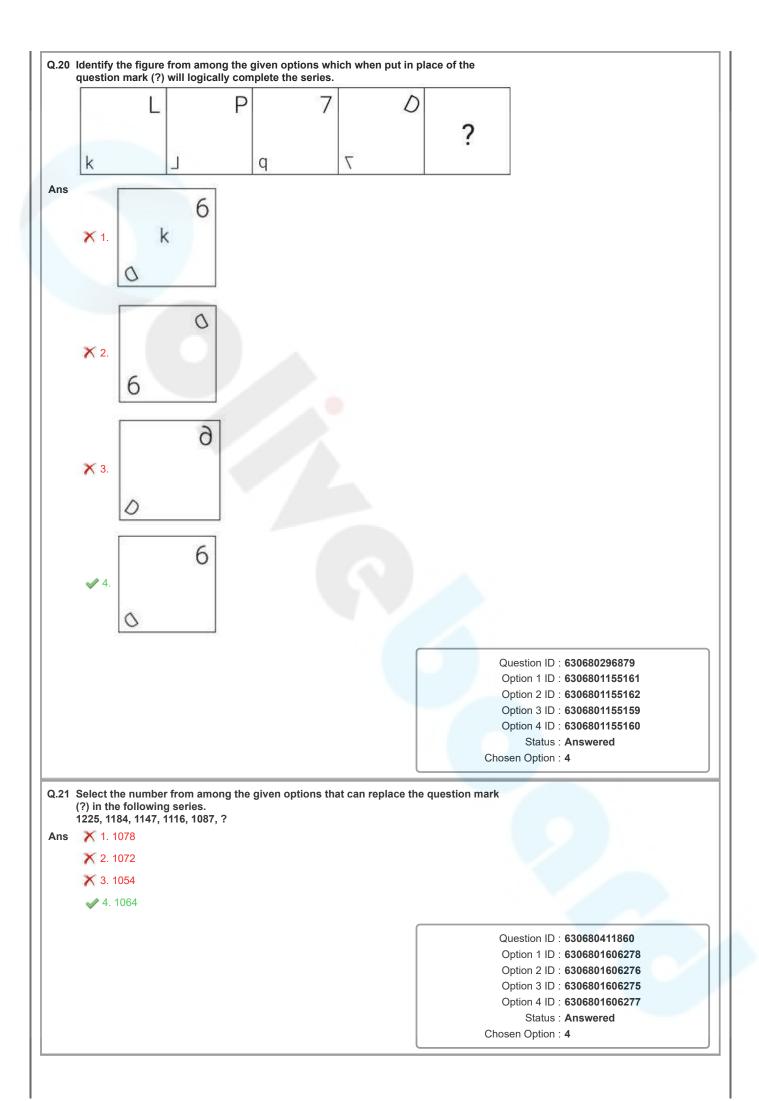
X 4. JJPPPPJ

Question ID: 630680262376

Option 1 ID: 6306801019144 Option 2 ID: 6306801019146

Option 3 ID: 6306801019145 Option 4 ID: 6306801019143

Status: Answered



Q.22 'Meek' is related to 'Bold' in the same way as 'Spend' is related to ' (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.) X 1. Expend X 2. Donate

X 3. Pay

4. Hoard

Question ID: 630680416702 Option 1 ID: 6306801625571 Option 2 ID: 6306801625574 Option 3 ID: 6306801625572 Option 4 ID: 6306801625573 Status: Answered

Chosen Option: 4

Q.23 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

Rf4d2m

Ans

X 1 m 2 b 4 1 R

X2. m7Pf49

8 f 4 d 2 m .€ X

Rf4d2m .4 V

Question ID: 630680300288

Option 1 ID: 6306801168057 Option 2 ID: 6306801168058 Option 3 ID: 6306801168055 Option 4 ID: 6306801168056

Status : Answered Chosen Option: 4

Q.24 Which of the following terms will replace the question mark (?) in the given series? JKT, LJR, NIP, ?

Ans X 1. PGO

X 2. OGP

X 4. PHM

Question ID: 630680416961

Option 1 ID: 6306801626609 Option 2 ID: 6306801626608 Option 3 ID: 6306801626607 Option 4 ID: 6306801626610

Status: Answered

Q.25 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '+' are interchanged?
6 ÷ 8 - 91 x 13 + 30 = ?
Ans 1.20

✓ 2. 25✗ 3. 22

**X** 4. 23

Question ID: 630680327970
Option 1 ID: 6306801275849
Option 2 ID: 6306801275850
Option 3 ID: 6306801275851
Option 4 ID: 6306801275852
Status: Answered

Chosen Option : 2

Section: General Awareness

Q.1 Which fundamental duty applies on you when you see a few school students, on their educational trip to Humayun's tomb, writing their names on the walls?

Ans X 1. To uphold and protect the sovereignty, unity and integrity of India

X 2. To defend the country and render national service

X 3. To protect and improve the natural environment

4. To safeguard public property

Question ID: 630680229987 Option 1 ID: 630680892387 Option 2 ID: 630680892388 Option 3 ID: 630680892389 Option 4 ID: 630680892390

Status : Answered

Chosen Option : 4

Q.2 Identify the sequence of implementation of the following taxes.

I.Land revenue II.Sales tax III.MODVAT IV.Service tax

Ans X 1. III, II, IV, I

X 2. IV, II, I, III

X 4. II, IV, I, III

Question ID : **630680314403** Option 1 ID : **6306801223415** 

Option 2 ID : **6306801223416** Option 3 ID : **6306801223413** 

Option 3 ID : **6306801223413**Option 4 ID : **6306801223414** 

Status : Answered

## Q.3 Which Lavani singer got Padma Shri 2022 by the President of India? √ 1. Sulochana Chavan X 2. Vaishali Samant X 3. Bela Shende 🗙 4. Devaki Pandit Question ID: 630680511811 Option 1 ID: 6306802000214 Option 2 ID: 6306802000216 Option 3 ID: 6306802000217 Option 4 ID: 6306802000215 Status: Answered Chosen Option: 3 Q.4 In the year 1925, who extracted lipids from an erythrocyte sample and found that lipid monolayers are good for measuring molecular surface area versus lateral pressure? X 1. Avery and Buck 2. Gorter and Grendel X 3. Carson and Eccles X 4. Margulis and Ruska Question ID: 630680407462 Option 1 ID: 6306801588787 Option 2 ID: 6306801588788 Option 3 ID: 6306801588786 Option 4 ID: 6306801588789 Status: Not Answered Chosen Option: --Q.5 Which of the following is a species of tropical deciduous forests? Ans X 1. Ebony X 2. Mahogany 3. Teak X 4. Palms Question ID: 630680309107 Option 1 ID: 6306801202605 Option 2 ID: 6306801202606 Option 3 ID: 6306801202607 Option 4 ID: 6306801202608 Status: Answered Chosen Option: 3 Q.6 Who among the following was appointed as the Governor of Jharkhand in February 2023? Ans X 1. T Gahlot X 2. RN Ravi X 3. Ramesh Bais 4. CP Radhakrishnan Question ID: 630680413018 Option 1 ID: 6306801610896 Option 2 ID: 6306801610898 Option 3 ID: 6306801610897 Option 4 ID: 6306801610895

Status: Answered

Q.7 Which of the following is the most acidic? Ans X 1. C<sub>3</sub>H<sub>7</sub>COOH X 2. CH<sub>3</sub>COOH X 3. C₂H₅COOH ✓ 4. HCOOH Question ID : 630680102243 Option 1 ID: 630680397258 Option 2 ID : **630680397256** Option 3 ID: 630680397257 Option 4 ID: 630680397255 Status : Answered Chosen Option: 4 Q.8 What is the primary objective of the 'Standup India' initiative? Ans X 1. To promote digital transactions nationwide X 2. To support all types of startups X 4. To boost the manufacturing sector Question ID: 630680411073 Option 1 ID: 6306801603051 Option 2 ID: 6306801603048 Option 3 ID: 6306801603049 Option 4 ID : **6306801603050** Status: Answered Chosen Option : 2 Q.9 Which of the following articles of the Constitution of India lays down that 'The allocation of seats in the Council of States to be filled by representatives of the States and of the Union territories shall be in accordance with the provisions in that behalf contained in the fourth Schedule'? X 1. Article 83 Ans

2. Article 80

X 3. Article 81

X 4. Article 82

Question ID: 630680305672 Option 1 ID: 6306801189064 Option 2 ID: 6306801189061 Option 3 ID: 6306801189062 Option 4 ID: 6306801189063 Status: Answered

## Q.10 Annapurna Devi is associated with which of the following musical instruments? Ans X 1. Rudra veena 2. Surbahar X 3. Ektara X 4. Taal Question ID: 630680410411 Option 1 ID: 6306801600373 Option 2 ID: 6306801600371 Option 3 ID: 6306801600372 Option 4 ID: 6306801600374 Status: Answered Chosen Option : 2 Q.11 Where was the first women's international test cricket match hosted in India in 1976? Ans X 1. Mumbai 2. Bangalore X 3. Kolkata X 4. New Delhi Question ID: 630680510831 Option 1 ID: 6306801996456 Option 2 ID: 6306801996455 Option 3 ID: 6306801996454 Option 4 ID: 6306801996457 Status: Answered Chosen Option: 1 Q.12 Who among the following founded the Atmiya Sabha in 1814? Ans X 1. Keshab Chandra Sen X 2. Debendranath Tagore X 3. Ishwar Chandra Vidyasagar 4. Raja Rammohun Roy Question ID: 630680511499 Option 1 ID: 6306801999120 Option 2 ID: 6306801999118 Option 3 ID: 6306801999121 Option 4 ID: 6306801999119 Status: Answered Chosen Option: 4 Q.13 Matki dance is the famous folk dance associated with which of the following states? Ans X 1. Maharashtra X 2. Gujarat X 3. Punjab 4. Madhya Pradesh Question ID: 630680164532 Option 1 ID: 630680637245 Option 2 ID: 630680637246 Option 3 ID: 630680637247 Option 4 ID: 630680637244

Status: Answered

# Q.14 In the second Round Table Conference, Mahatma Gandhi represented which of the following parties?

Ans X 1. Communist Party of India

X 2. Muslim League

3. Indian National Congress

X 4. All India Forward Bloc

Question ID: 630680412326
Option 1 ID: 6306801608128
Option 2 ID: 6306801608130
Option 3 ID: 6306801608127
Option 4 ID: 6306801608129
Status: Answered

Chosen Option: 3

#### Q.15 Through which routes is the majority of India's international trade carried out?

Ans X 1. Only Railway

X 2. Sea and railway

X 3. Railway and air

4. Sea and air

Question ID : 630680196395
Option 1 ID : 630680761950
Option 2 ID : 630680761948
Option 3 ID : 630680761949
Option 4 ID : 630680761947
Status : Answered

Chosen Option : 4

#### Q.16 Which of the following is NOT a greenhouse gas?

Ans X 1. Nitrous oxide

X 2. Methane

X 3. Carbon dioxide

4. Nitric oxide

Question ID: 63068098908
Option 1 ID: 630680384339
Option 2 ID: 630680384338
Option 3 ID: 630680384337
Option 4 ID: 630680384336
Status: Answered

Chosen Option: 1

Q.17 What is the amount of financial assistance provided per month to girl students studying in government schools under the 'Tamil Nadu Pudhumai Penn Scheme' launched by the Government of Tamil Nadu in 2023?

Ans X 1. ₹2,000 per month

X 2. ₹500 per month

X 3. ₹3,000 per month

4. ₹1,000 per month

Question ID: 630680413090 Option 1 ID: 6306801611185 Option 2 ID: 6306801611183 Option 3 ID: 6306801611186 Option 4 ID: 6306801611184

Status: Answered

## Q.18 Which of the following options indicates the size of PPLO (Pleuro Pneumonia Like Organisms)? X 1. About 10 μm X 2. About 20 μm 3. About 0.1 μm X 4. About 30 μm Question ID : 630680210503 Option 1 ID: 630680816173 Option 2 ID: 630680816172 Option 3 ID: 630680816174 Option 4 ID: 630680816171 Status : Answered Chosen Option: 1 Q.19 According to the Census of India 2011, 'Other Religions and Persuasions (ORP)' comprise how much of the population? Ans X 1. 9.9 million × 2. 5.9 million X 4. 3.9 million Question ID: 630680409607 Option 1 ID: 6306801597260 Option 2 ID: 6306801597258 Option 3 ID: 6306801597259 Option 4 ID: 6306801597257 Status: Answered Chosen Option : 2 Q.20 Under Pradhan Mantri Fasal Bima Yojana, the maximum premium payable by the \_ for all kharif food and oilseeds crops. farmers will be \_ X 1.6% Ans X 2.8% **3**. 2% X 4.4% Question ID: 630680339470 Option 1 ID: 6306801320451 Option 2 ID: 6306801320452 Option 3 ID: 6306801320449 Option 4 ID: 6306801320450 Status: Answered Chosen Option: 4

Q.21 The Maukharis ruled over which of the following cities in western Uttar Pradesh that over the time replaced Pataliputra as a political centre of north India? Ans X 1. Kanpur X 2. Agra 🥓 3. Kannauj X 4. Bareli Question ID : 630680412526 Option 1 ID: 6306801608928 Option 2 ID: 6306801608927 Option 3 ID: 6306801608930 Option 4 ID: 6306801608929 Status : Answered Chosen Option: 3 Q.22 Which allotrope of carbon was discovered by Robert F Curl, Harold W Kroto and Richard E Smalley in 1985? Ans X 1. Lonsdaleite 2. Fullerene X 3. Carbophene X 4. Graphene Question ID: 630680517138 Option 1 ID: 6306802020948 Option 2 ID: 6306802020949 Option 3 ID: 6306802020950 Option 4 ID: 6306802020951 Status: Answered Chosen Option : 2 Q.23 Under which of the following Pala king's patronage the Vikramshila university in 8<sup>th</sup> century India was founded? ✓ 1. Dharmapala X 2. Gopala X 3. Devapala X 4. Mahipala I Question ID: 630680412417 Option 1 ID: 6306801608492 Option 2 ID: 6306801608494 Option 3 ID: 6306801608491 Option 4 ID: 6306801608493 Status : Answered Chosen Option : 1

#### Q.24 Kajari Mahotsav is primarily celebrated in which of the following districts of Uttar Pradesh?

- Ans X 1. Kushi Nagar
  - X 2. Gorakhpur
  - 💢 3. Jhansi
  - 4. Mirzapur

Question ID : 630680164580 Option 1 ID: 630680637436 Option 2 ID: 630680637437 Option 3 ID: 630680637438 Option 4 ID: 630680637439 Status : Answered

Chosen Option: 1

## Q.25 When was the Rajiv Gandhi Khel Ratna Award renamed as Major Dhyan Chand Khel

Ans

- √ 1. 6<sup>th</sup> August 2021
- X 2. 6<sup>th</sup> August 2022
- X 3. 5<sup>th</sup> January 2022
- X 4. 5<sup>th</sup> January 2021

Question ID: 630680510758 Option 1 ID: 6306801996164 Option 2 ID: 6306801996165 Option 3 ID: 6306801996162 Option 4 ID: 6306801996163 Status: Answered

Chosen Option: 1

Section: Quantitative Aptitude

If  $tan(A) = \frac{3}{5}$ , then cos(A) is equal to:

- $4. \frac{5}{\sqrt{34}}$

Question ID: 630680526464

Option 1 ID: 6306802057923

Option 2 ID: 6306802057924

Option 3 ID: 6306802057925

Option 4 ID: 6306802057922

Status : Answered

Q.2 In a bank, 6% interest is given on the deposited amount. The bank then invests the money in the stock market and is able to earn ₹30,000 for every ₹3,00,000. How much money is the bank earning finally if the total amount deposited in the bank is ₹60,00,000?

**Ans** X 1. ₹3,00,000

**√** 2. ₹2,40,000

**X** 3. ₹6,40,000

**X** 4. ₹3,60,000

Question ID: 630680428883
Option 1 ID: 6306801673578
Option 2 ID: 6306801673579
Option 3 ID: 6306801673576
Option 4 ID: 6306801673577
Status: Not Answered

Chosen Option : --

Q.3 If x is an integer such that  $x + \frac{1}{x} = \frac{65}{8}$ , then find the value of  $x - \frac{1}{x}$ .

Ans

X 1.  $\frac{63}{6}$ 

× 2.  $\frac{30}{8}$ 

 $\times$  4.  $\frac{32}{6}$ 

Question ID : 630680413477

Option 1 ID: 6306801612732 Option 2 ID: 6306801612733 Option 3 ID: 6306801612734 Option 4 ID: 6306801612735 Status: Answered

Chosen Option: 3

Q.4 In a triangle, the lengths of sides are 6 units, 12 units and x units. How many possible integer values are there for x?

Δns

**1.11** 

X 2. 12

**X** 3. 10

**X** 4. 9

Question ID: 630680421397

Option 1 ID : 6306801644053 Option 2 ID : 6306801644054 Option 3 ID : 6306801644052

Option 3 ID : **6306801644052** Option 4 ID : **6306801644051** 

Status : **Answered** Chosen Option : **1** 

Q.5 Arvind and Chetan started running simultaneously from the same point in the same direction on a circular track of length 210 m. If Arvind takes 180 seconds to complete one round, and Chetan takes 420 seconds to complete one round, after how much time will they meet for the first time at the starting point on the track? X 1. 28 minutes X 2. 15 minutes X 3. 10 minutes 4. 21 minutes Question ID: 630680428184 Option 1 ID: 6306801670783 Option 2 ID: 6306801670781 Option 3 ID: 6306801670780 Option 4 ID: 6306801670782 Status: Answered Chosen Option: 4 Find the length of the longest diagonal (in cm) of a cuboidal box of dimensions 1.2 cm × 1.3 cm × 1.5 cm (correct to two decimal places).

Ans X 1. 2.23 cm

X 2. 2.35 cm

X 3. 2.22 cm

√ 4. 2.32 cm

Question ID: 630680421531
Option 1 ID: 6306801644589
Option 2 ID: 6306801644587
Option 3 ID: 6306801644590
Option 4 ID: 6306801644588
Status: Answered

Chosen Option: 4

Q.7 A circular arc makes an angle of 15° at the centre. If the radius of the circular arc is 14 cm, what is the perimeter (correct up to two decimal places) of the sector so formed?  $(\pi = 3.14)$ ?

Ans X 1. 21.32 cm

X 2. 17.66 cm

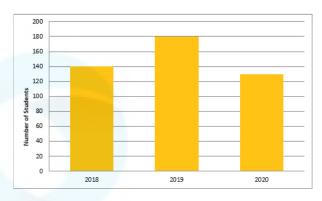
X 3. 35.32 cm

√ 4. 31.66 cm

Question ID: 630680285608
Option 1 ID: 6306801110401
Option 2 ID: 6306801110399
Option 3 ID: 6306801110402
Option 4 ID: 6306801110400

Status: Not Answered

**Q.8** The following bar graph shows the number of students who passed the exam of GATE in the given years.



What was the percentage increase in the number of students in 2019 over 2018 (rounded off to two decimal places)?

Δne

X 1. 29.52%

**X** 2. 35.79%

**3**. 28.57%

X 4. 32.25%

Question ID: 630680428038 Option 1 ID: 6306801670198 Option 2 ID: 6306801670196 Option 3 ID: 6306801670199 Option 4 ID: 6306801670197

Status : Answered

Chosen Option : 3

Q.9 Two pipes can fill a tank in 12 hours and 18 hours, respectively, while a third pipe can empty it in 8 hours. How long (in hours) will it take to fill the empty tank if all three pipes are opened simultaneously?

Ans

- X 1. 36
  - X 2. 24
- **3**. 72
- **X** 4. 48

Question ID: 630680487586

Option 1 ID : 6306801904451

Option 2 ID : **6306801904450** Option 3 ID : **6306801904453** 

Option 4 ID : **6306801904452** 

Status : Answered

Chosen Option: 3

Q.10 If P is a digit such that 6954P is divisible by 11, then P equals:

Ans

- **1**. 2
- X 2.6
- **X** 3. 8
- X 4. 7

Question ID: 630680136649

Option 1 ID: 630680529210

Option 2 ID : 630680529211

Option 3 ID : **630680529213** Option 4 ID : **630680529212** 

Status : Answered

Q.11 Simplify

$$-\frac{7}{6} + \frac{4}{9} \div \frac{5}{3} \times \frac{1}{16}$$

$$\times$$
 1.  $-\frac{18}{23}$ 

$$\checkmark$$
 2.  $-\frac{23}{20}$ 

$$\times$$
 3.  $-\frac{23}{18}$ 

$$\times$$
 4.  $-\frac{20}{23}$ 

Question ID : 630680427995

Option 1 ID : 6306801670026 Option 2 ID: 6306801670025 Option 3 ID: 6306801670027 Option 4 ID: 6306801670024

Status: Answered

Chosen Option : 2

Q.12 When  $f(m) = m^5 + 5m^4 - 3m + 7$  is divided by (m-2), then the remainder is

Ans X 1.5

**X** 2. 0

**X** 3. 7

**4**. 113

Question ID: 630680413556

Option 1 ID: 6306801613049 Option 2 ID: 6306801613051 Option 3 ID: 6306801613048

Option 4 ID: 6306801613050

Status : Answered

If  $\sin \theta + \cos \theta = \sqrt{3} \cos \theta$ , then the value of  $\cot \theta$  is:

$$\times 1.\sqrt{3} + 1$$

$$\times$$
 2.  $\sqrt{3} - 1$ 

$$\times$$
 4.  $\frac{\sqrt{3}-1}{2}$ 

Question ID: 630680526471 Option 1 ID: 6306802057951 Option 2 ID: 6306802057950 Option 3 ID: 6306802057952 Option 4 ID: 6306802057953

Status: Answered Chosen Option: 3

Q.14 42 litres of milk at ₹25 per litre is mixed with 28 litres of milk at ₹40 per litre. Find the average price of the mixture.

Ans

**X** 2. ₹32

**X** 3. ₹31.5

**X** 4. ₹32.5

Question ID: 630680397316

Option 1 ID: 6306801549320 Option 2 ID: 6306801549322 Option 3 ID: 6306801549321 Option 4 ID: 6306801549323

Status: Answered

Q.15 The below table gives shares traded on Hyderabad, Mumbai, and Bengaluru stock exchanges (in ₹). Study the table and answer the question that follows.

	Hyderab	Hyderabad		Mumbai		Bengaluru	
Name of the company	High	Low	High	Low	High	Low	
A	150	140	180	165	160	155	
В	250	225	325	315	300	290	
С	180	175	195	180	190	185	
D	350	325	410	395	390	375	

For C, the low rates of shares are less than the average of the low rates of shares of the same company, in the stock exchange(s) at \_\_\_\_\_.

Ans

1. Hyderabad

X 2. Bengaluru

X 3. Mumbai

X 4. Hyderabad and Mumbai

Question ID: 630680523822
Option 1 ID: 6306802047439
Option 2 ID: 6306802047441
Option 3 ID: 6306802047440
Option 4 ID: 6306802047442
Status: Not Answered

Chosen Option: --

Q.16 In triangle ABC, D is the mid-point of BC. If DL perpendicular to AB and DM perpendicular to AC such that DL = DM, then the triangle will be:

Ans

X 1. right angled triangle

X 2. equilateral triangle

X 3. obtuse angle triangle

4. isosceles triangle

Question ID: 630680526577
Option 1 ID: 6306802058377
Option 2 ID: 6306802058374
Option 3 ID: 6306802058376
Option 4 ID: 6306802058375

Status : **Answered** Chosen Option : **4** 

Q.17 There are y yellow marbles and b blue marbles in a box. 18% of the yellow marbles were added to 24% of the blue marbles, and the total was 30. Three times the number of yellow marbles exceeds two times the number of blue marbles by 200. What is the ratio of y² to b²?

Ans

**1.4:1** 

X 2.6:5

X 3.2:1

X 4.5:2

Question ID: 630680387070 Option 1 ID: 6306801508991 Option 2 ID: 6306801508993 Option 3 ID: 6306801508990 Option 4 ID: 6306801508992

Status : Answered

Q.18 A function of two variable varies directly with x and inversely with y. Determine function when x = 5 and y = 3. Given that, for x = 0 and y = 1, f = 15 and for x = 1 and y = 15, f = 2.

Ans

X 1. 2

X 2. 15

X 3. 5

**4**. 10

Question ID: 630680524321
Option 1 ID: 6306802049436
Option 2 ID: 6306802049435
Option 3 ID: 6306802049438
Option 4 ID: 6306802049437

Status : **Answered** Chosen Option : **2** 

Q.19 Ajay spends $66\frac{2}{3}\%$  of his income on different household items. If his income

increases by 25% and expenditure increase by 20%, then the effect on his savings will be:

Ans 🗳 1. 35%

X 2. 49%

X 3. 28%

X 4. 61%

Question ID: 630680432458
Option 1 ID: 6306801687837
Option 2 ID: 6306801687836
Option 3 ID: 6306801687835
Option 4 ID: 6306801687838

Status : **Answered** Chosen Option : **1** 

Q.20 The below table shows the sales of motorbikes of four manufacturers from 2016 to 2020 (All the figures are in thousands). Study the table and answer the question that follows.

Manufacturer	2016	2017	2018	2019	2020
P	220	225	235	240	260
Q	280	290	310	310	330
R	350	375	385	390	400
S	400	420	430	440	450

Find the ratio of the total number of sales of the motorbikes of manufacturer Q to the total number of sales of the motorbikes of manufacturer S from 2016 to 2020.

Ans

X 1. 74 : 103

**2**. 76 : 107

**X** 3. 72 : 105

**X** 4. 78 : 107

Question ID: 630680428115

Option 1 ID: 6306801670504 Option 2 ID: 6306801670505 Option 3 ID: 6306801670506 Option 4 ID: 6306801670507

Status : Answered

Q.21 If  $cosecx = \frac{5}{4}$ , then the value of  $\frac{5 \sin^2 x + 8 \cot^2 x}{27 \tan^2 x - 125 \cos^2 x}$  is:

Ans

- × 1.  $\frac{99}{47}$
- $\times$  2.  $\frac{55}{87}$
- × 4.  $\frac{33}{9}$

Question ID: 630680387206 Option 1 ID: 6306801509521 Option 2 ID: 6306801509518 Option 3 ID: 6306801509519 Option 4 ID: 6306801509520

Status : **Answered** Chosen Option : **3** 

Q.22 The following table shows the expenditure of a factory (in ₹ lakh) per annum on different heads over the given years.

Year/Expenditure Head	Salary	Transport	Bonus	Loan Interest
1998	125	38	8	25
1999	135	45	18	37
2000	149	57	37	39
2001	153	63	50	43

What was the average expenditure (in  $\mathbb{Z}$  lakh) on transport per year that the factory had to pay during the given period?

Ans

- **1**. 50.75
- × 2. 45.58
- X 3. 48.75
- **X** 4. 56.63

Question ID: 630680428155

Option 1 ID: 6306801670665

Option 2 ID: 6306801670664

Option 3 ID: 6306801670667

Option 4 ID: 6306801670666

Status : Answered

## Q.23 The marked price of a TV set is ₹18,500. If the dealer allows two successive discounts of 20% and 5%, for how much is the TV available? **X** 1. ₹14,000 **√** 2. ₹14,060 **X** 3. ₹15,000 **X** 4. ₹15,060 Question ID: 63068070847 Option 1 ID: 630680274003 Option 2 ID: 630680274002 Option 3 ID: 630680274005 Option 4 ID: 630680274004 Status : Answered Chosen Option: 2 Q.24 If a triangle has a perimeter of 52 units, then all its sides have length \_\_\_\_\_ units. Ans X 1. <24 **X** 2. <20 **3**. <26 **X** 4. <18 Question ID: 630680421419 Option 1 ID: 6306801644141 Option 2 ID: 6306801644139 Option 3 ID: 6306801644142 Option 4 ID: 6306801644140 Status : **Answered** Chosen Option: 3 Q.25 In how many years will ₹7,200 amount to ₹8,928 at a simple interest rate of 8% per annum? Ans X 1. Five 2. Three X 3. Four X 4. Two Question ID: 630680360370 Option 1 ID: 6306801403388 Option 2 ID: 6306801403387 Option 3 ID: 6306801403386 Option 4 ID: 6306801403385 Status: Answered Chosen Option: 2

 ${\bf Section: English\ Comprehension}$ 

Q.1 Select the most appropriate meaning of the given idiom. **Cut corners** √ 1. Do something in an inexpensive and easy way Ans X 2. Complete a work X 3. Clear a space X 4. Find a suitable place Question ID: 630680129574 Option 1 ID: 630680501916 Option 2 ID: 630680501917 Option 3 ID: 630680501915 Option 4 ID: 630680501914 Status: Answered Chosen Option : 1 Q.2 Select the option that expresses the given sentence in active voice. By whom were you injured? Ans X 1. Who had injured you? X 2. Who had been injuring you? X 3. Who has injured you? Question ID: 630680360046 Option 1 ID: 6306801402131 Option 2 ID: 6306801402132 Option 3 ID: 6306801402129 Option 4 ID: 6306801402130 Status : Answered Chosen Option: 4 Q.3 Select the most appropriate ANTONYM of the underlined word in the following sentence. The movie's plot was <u>predictable</u>, with clichéd twists and turns. Ans X 1. undeviating 2. unexpected X 3. evident X 4. infelicitous Question ID : 630680517376 Option 1 ID: 6306802021903 Option 2 ID: 6306802021900 Option 3 ID: 6306802021901 Option 4 ID: 6306802021902 Status: Answered Chosen Option: 2

Q.4 Select the most appropriate synonym of the underlined word in the given sentence. I was completely  $\underline{\text{mesmerised}}$  by the performance. X 1. Bored Ans X 2. Irritated X 3. Annoyed ₱ 4. Fascinated Question ID : 630680131738 Option 1 ID: 630680510165 Option 2 ID : **630680510162** Option 3 ID: 630680510164 Option 4 ID: 630680510163 Status: Answered Chosen Option: 4 Q.5 Select the most appropriate meaning of the given idiom. Easy does it Ans X 1. Used to tell someone to do something horridly X 2. Used to tell someone to do something violently X 3. Used to tell someone to do something rarely 4. Used to tell someone to do something slowly and carefully Question ID: 630680374329 Option 1 ID: 6306801458507 Option 2 ID: 6306801458508 Option 3 ID: 6306801458509 Option 4 ID: 6306801458510 Status : Answered Chosen Option : 4 Q.6 Select the most appropriate ANTONYM of the given word. Candid X 1. Tender Ans 2. Dishonest X 3. Irrelevant X 4. Guileless Question ID: 630680410038 Option 1 ID: 6306801598983 Option 2 ID: 6306801598981 Option 3 ID: 6306801598984 Option 4 ID: 6306801598982 Status: Answered Chosen Option: 2

Q.7 Select the option that can be used as a one-word substitute for the given group of words.

A person who deceives others by pretending to be someone else

Ans

X 1. Inaccessible

2. Impostor

X 3. Fraud

X 4. Unrecognisable

Question ID: 630680414774

Option 1 ID: 6306801617840

Option 2 ID: 6306801617842

Option 3 ID: 6306801617841

Option 4 ID: 6306801617839

Status : Answered

Chosen Option: 2

#### Q.8 Select the sentence that does NOT have a spelling error.

Ans 1. The author is famous for leading a life of subterfuge and contredictions which has led to challenges in understanding past works.

X 2. Statistical patterns and historical data cannot predict the futristic problems that await a civilisation like ours.

X 3. The new caches of materials reveal a secret pleascence that was hidden away from the rest of the world

✓ 4. Many friends and memoirists have described the author in detail but there are no
photos of the author available to the press.

Question ID: 630680409938 Option 1 ID: 6306801598582 Option 2 ID: 6306801598584 Option 3 ID: 6306801598583

Option 4 ID : 6306801598581

Status : Answered

Chosen Option: 2

Q.9 Select the most appropriate ANTONYM of the word in bold. Many people fought to abolish slavery during the Civil War.

Ans

X 1. damage

X 2. terminate

X 3. kill

4. establish

Question ID: 630680319148

Option 1 ID : **6306801241499** Option 2 ID : **6306801241500** 

Option 3 ID : **6306801241498** Option 4 ID : **6306801241497** 

Status : Answered

Q.10 Select the option that can be used as a one-word substitute for the given group of words. A thing fit to eat. X 1. Unpalatable 2. Edible X 3. Uneatable X 4. Toxic Question ID: 630680160078 Option 1 ID: 630680619696 Option 2 ID: 630680619698 Option 3 ID: 630680619697 Option 4 ID: 630680619699 Status: Answered Chosen Option: 2 Q.11 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Having known that / the train was already on the platform, / they ran fastly / to catch it. Ans √ 1. they ran fastly X 2. Having known that X 3. to catch it X 4. the train was already on the platform Question ID: 630680199439 Option 1 ID: 630680773397 Option 2 ID: 630680773395 Option 3 ID: 630680773398 Option 4 ID: 630680773396 Status : Answered Chosen Option: 1 Q.12 Select the most appropriate ANTONYM of the underlined word in the given sentence. The patient was suffering from a chronic disease. Ans 1. Mild X 2. Usual X 3. Universal X 4. Common Question ID : 630680402714 Option 1 ID: 6306801570460 Option 2 ID: 6306801570457 Option 3 ID: 6306801570459 Option 4 ID: 6306801570458 Status: Answered Chosen Option: 4

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. If it had not rained, they <u>would not postpone</u> the programmes. X 1. would be postponed X 2. no substitution 3. would not have postponed X 4. would not postponed Question ID: 630680176608 Option 1 ID: 630680684653 Option 2 ID: 630680684655 Option 3 ID: 630680684654 Option 4 ID: 630680684652 Status: Answered Chosen Option: 3 Q.14 Select the word which means the same as the group of words given. Capable of being done Ans X 1. Suitable 2. Feasible X 3. Useful X 4. Practical Question ID: 630680414698 Option 1 ID: 6306801617537 Option 2 ID: 6306801617538 Option 3 ID: 6306801617536 Option 4 ID : **6306801617535** Status : Answered Chosen Option : 2

Q.15 Select the most appropriate ANTONYM of the given word.

Reluctant

Ans X 1. Beautiful

X 2. Desperate

X 3. Obedient

4. Enthusiastic

Question ID: 630680517415 Option 1 ID: 6306802022057 Option 2 ID: 6306802022056 Option 3 ID: 6306802022058 Option 4 ID: 6306802022059

Status: Answered

Q.16 Select the option that can be used as a one-word substitute for the underlined group of words. The workers received  $\underline{a}$  sum for the services they rendered. X 1. Remembrance X 2. Recruitment X 3. Rejuvenation 4. Remuneration Question ID: 630680129379 Option 1 ID: 630680501136 Option 2 ID: 630680501134 Option 3 ID: 630680501135 Option 4 ID: 630680501137 Status: Answered Chosen Option: 4 Q.17 Select the option that expresses the given sentence in active voice. Were the plants being grafted by the gardener? Ans ✓ 1. Was the gardener grafting the plants? X 2. Were the gardener grafting the plants? X 3. Was the gardener grafted the plants? X 4. Were the plants grafting the gardener? Question ID: 630680360790 Option 1 ID: 6306801405035 Option 2 ID: 6306801405033 Option 3 ID: 6306801405034 Option 4 ID: 6306801405036 Status: Answered Chosen Option: 1 Q.18 Identify the error in the following sentence.
Brr, the city view from the Eiffel Tower is amazing! Ans X 1. amazing X 2. view X 4. from Question ID: 630680192481 Option 1 ID: 630680746515 Option 2 ID: 630680746516 Option 3 ID: 630680746514 Option 4 ID: 630680746513 Status: Answered Chosen Option: 3

Q.19 Select the option that can be used as a one-word substitute for the underlined group of words. Foul smell will come if the food is not fresh. Ans X 1. brittle X 2. crisp X 3. odourless 4. stale Question ID: 630680158621 Option 1 ID: 630680613979 Option 2 ID: 630680613977 Option 3 ID: 630680613976 Option 4 ID: 630680613978 Status: Answered Chosen Option: 4 Q.20 Select the INCORRECTLY spelt word in the given sentence. Educational technology has become a necesity if one desires excellent output. X 1. Educational Ans X 2. technology X 3. excellent 4. necesity Question ID: 630680380482 Option 1 ID: 6306801482923 Option 2 ID: 6306801482924 Option 3 ID: 6306801482926 Option 4 ID: 6306801482925 Status : Answered Chosen Option: 4 Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Rory Cooper was a top aide to former House Majority Leader Eric Cantor, the up-and-coming Virginia Republican who lost a 2014 House primary. He was also a prominent Never Trumper, openly (1)\_ how awful he found the 45th president. The cause Cooper has himself to for the past year, though, is closer to home. He is, as he puts it in his Twitter bio, 'Apparently Mr. Open the Schools' A father of a fifth grader, a second grader and a kindergartner, Cooper is (3) because the public schools in Fairfax, Virginia, where he lives, have not reopened. Fairfax, in the Washington, D.C., suburbs, is one of the school districts that has moved (4) toward in-person learning, and it is still not close: only in the past few weeks have students started to return to classrooms, and only about half of those eligible have opted to go back, for an (5) of two days a week. SubQuestion No : 21 Q.21 Select the most appropriate option to fill in blank no. 1 Ans X 1. frisking X 2. ignoring X 3. skipping 4. detailing Question ID: 630680147468 Option 1 ID: 630680570644

Question ID : 630680147468

Option 1 ID : 630680570644

Option 2 ID : 630680570642

Option 3 ID : 630680570643

Option 4 ID : 630680570645

Status : Answered

### Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Rory Cooper was a top aide to former House Majority Leader Eric Cantor, the up-and-coming Virginia Republican who lost a 2014 House primary. He was also a prominent Never Trumper, openly (1)\_ how awful he found the 45th president. The cause Cooper has himself to for the past year, though, is closer to home. He is, as he puts it in his Twitter bio, 'Apparently Mr. Open the Schools' A father of a fifth grader, a second grader and a kindergartner, Cooper is (3) because the public schools in Fairfax, Virginia, where he lives, have not reopened. Fairfax, in the Washington, D.C., suburbs, is one of the school districts that has moved (4) toward in-person learning, and it is still not close: only in the past few weeks have students started to return to classrooms, and only about half of those eligible have opted to go back, of two days a week. SubQuestion No: 22 Q.22 Select the most appropriate option to fill in blank no. 2 Ans X 1. pacified X 2. isolated 3. committed X 4. sorted Question ID: 630680147469 Option 1 ID: 630680570649 Option 2 ID: 630680570648 Option 3 ID: 630680570647 Option 4 ID: 630680570646

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Rory Cooper was a top aide to former House Majority Leader Eric Cantor, the up-and-coming Virginia Republican who lost a 2014 House primary. He was also a prominent Never Trumper, openly (1)\_\_ how awful he found the 45th president. The cause Cooper has himself to for the past year, though, is closer to home. He is, as he puts it in his Twitter bio, 'Apparently Mr. Open the Schools' A father of a fifth grader, a second grader and a kindergartner, Cooper is (3)

because the public schools in Fairfax, Virginia, where he lives, have not reopened. Fairfax, in the Washington, D.C., suburbs, is one of the school districts that has moved (4) toward in-person learning, and it is still not close: only in the past few weeks have students started to return to classrooms, and only about half of those eligible have opted to go back, of two days a week. for an (5)

SubQuestion No : 23

Comprehension:

Q.23 Select the most appropriate option to fill in blank no. 3

X 1. indebted

X 2. excited

X 3. provoked

4. frustrated

Question ID: 630680147470

Status : Answered

Chosen Option: 2

Option 1 ID: 630680570653 Option 2 ID: 630680570650

Option 3 ID: 630680570651

Option 4 ID: 630680570652

Status: Answered

## Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Rory Cooper was a top aide to former House Majority Leader Eric Cantor, the up-and-coming Virginia Republican who lost a 2014 House primary. He was also a prominent Never Trumper, openly (1)\_ how awful he found the 45th president. The cause Cooper has himself to for the past year, though, is closer to home. He is, as he puts it in his Twitter bio, 'Apparently Mr. Open the Schools' A father of a fifth grader, a second grader and a kindergartner, Cooper is (3) because the public schools in Fairfax, Virginia, where he lives, have not reopened. Fairfax, in the Washington, D.C., suburbs, is one of the school districts that has moved (4) toward in-person learning, and it is still not close: only in the past few weeks have students started to return to classrooms, and only about half of those eligible have opted to go back, of two days a week. SubQuestion No: 24 Q.24 Select the most appropriate option to fill in blank no. 4. Ans X 1. plainest 2. slowest X 3. longest X 4. strangest Question ID: 630680147471 Option 1 ID: 630680570657 Option 2 ID: 630680570655 Option 3 ID: 630680570654 Option 4 ID: 630680570656 Chosen Option: 3

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Rory Cooper was a top aide to former House Majority Leader Eric Cantor, the up-and-coming Virginia Republican who lost a 2014 House primary. He was also a prominent Never Trumper, openly (1)\_ how awful he found the 45th president. The cause Cooper has himself to for the past year, though, is closer to home. He is, as he puts it in his Twitter bio, 'Apparently Mr. Open the Schools' A father of a fifth grader, a second grader and a kindergartner, Cooper is (3)

because the public schools in Fairfax, Virginia, where he lives, have not reopened. Fairfax, in the Washington, D.C., suburbs, is one of the school districts that has moved (4) toward in-person learning, and it is still not close: only in the past few weeks have students started to return to classrooms, and only about half of those eligible have opted to go back, of two days a week. for an (5)

SubQuestion No: 25

Q.25 Select the most appropriate option to fill in blank no. 5.

✓ 1. average

X 2. understanding

X 3. ideal

X 4. amount

Question ID: 630680147472 Option 1 ID: 630680570659

Status: Answered

Option 2 ID: 630680570661 Option 3 ID: 630680570660

Option 4 ID: 630680570658

Status: Answered