SSC CGL 2022 TIER 1 December 3, 2022 SHIFT 2 QUESTION PAPER

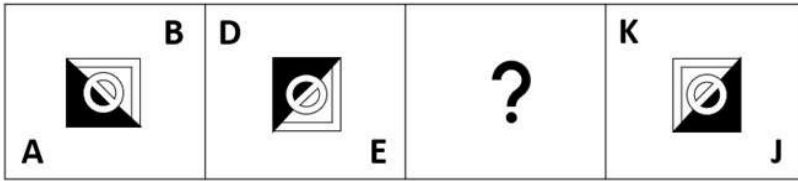| Exam Date	03/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 What should come in place of the question mark (?) to complete the following letter cluster series?
FHG, IKJ, LNM, ?
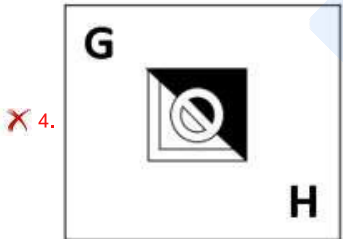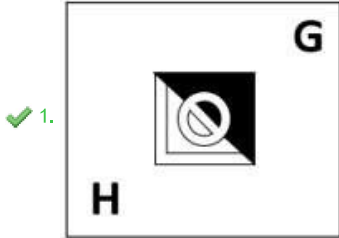
Ans ✗ 1. QOP

✗ 2. OPQ

✔ 3. OQP

✗ 4. PRQ

Question ID : **26433066002**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : 26433057791
Status : **Answered**
Chosen Option : **1**

Q.3 After arranging the given words according to dictionary order, which word will come at 'Fifth' position?
1. Version
2. Versus
3. Versicolour
4. Verse
5. Verso

Ans ✘ 1. Verso

✔ 2. Versus

✘ 3. Version

✘ 4. Verse

Question ID : 264330104900
Status : **Answered**
Chosen Option : **2**

Q.4 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

23 * 2 * 2 * 5 * 18

Ans ✔ 1. −, ÷, ×, =

✘ 2. −, ÷, +, =

✘ 3. −, ÷, =, +

✘ 4. −, ×, ÷, =

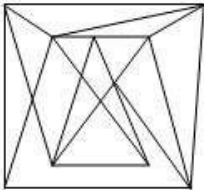**Q.5** Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Q.6 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
EACH : AEHC :: GAME : AGEM :: IDOL : ?

Ans ✗ 1. OLDI

✓ 2. DILO

✗ 3. IDLO

✗ 4. DIOL

Q.7 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

Ans ✗ 1. ANHS

✗ 2. JEQJ

✓ 3. JPRT

✗ 4. PYWD

Q.8 By interchanging the given two signs and numbers which of the following equation will be correct?
× and +, 6 and 4

Ans ✗ 1. 3 × 9 − 4 ÷ 2 + 6 = 8

✗ 2. 8 × 6 + 4 ÷ 2 − 5 = −5

✗ 3. 8 − 3 × 6 + 4 ÷ 1 = 18

✓ 4. 7 × 6 − 4 + 9 ÷ 3 = −7

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the given set.
(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.)
(26, 120, 34)
(14, 110, 41)

Ans ✓ 1. (36, 106, 17)

✗ 2. (72, 240, 16)

✗ 3. (44, 114, 24)

✗ 4. (15, 450, 8)

Q.10 In a certain code language, 'LAPTOP' is written as 'JYNRMN' and 'COLD' is written as 'AMJB', how will 'SKETCHPEN' be written in that language?

Ans ✗ 1. RJDSBHODM

✗ 2. QICRBHODM

✓ 3. QICRAFNCL

✗ 4. RJDSAFNCL

Q.11 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. All pencil are pen.
II. Some pen are rubber.
Conclusion:
I. All rubber are pencil.
II. Some pen are not pencil.
III. Some rubber are not pen.

Ans ✓ 1. Neither conclusion follows

✗ 2. Only conclusion II follows

✗ 3. Both conclusions I and III follows

✗ 4. All conclusion follows

Q.12 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '3'.

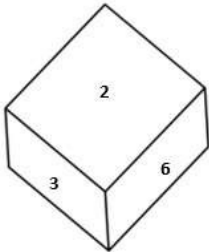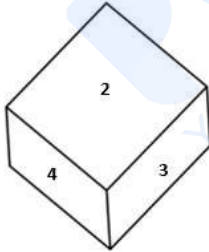Figure 1   Figure 2   Figure 3

Ans ✗ 1. 5

✗ 2. 2

✓ 3. 1

✗ 4. 6

Q.13 Which number will replace the question mark (?) in the following series?
26, 54, 110, 222, ?, 894

Ans ✔ 1. 446

✘ 2. 442

✘ 3. 440

✘ 4. 444

Question ID : **26433067592**
Status : **Answered**
Chosen Option : **1**

Q.14 If X – Y means that X is the mother of Y, X × Y means that X is the father of Y, X ÷ Y
means that X is the sister of Y, then which of the following expression shows that Q is
the son of P?

Ans ✘ 1. P – Q ÷ R

✔ 2. P – Q × R

✘ 3. Q – P × R

✘ 4. R × Q – P

Question ID : **264330104973**
Status : **Answered**
Chosen Option : **2**

Q.15 A # B means 'A is the brother of B'
A @ B means 'A is the daughter of B'
A & B means 'A is the husband of B'
A % B means 'A is the wife of B'
If G % M # L @ P & C @ B, then how is L related to B?

Ans ✘ 1. Daughter

✔ 2. Granddaughter

✘ 3. Sister

✘ 4. Daughter-in-law

Question ID : **26433065958**
Status : **Answered**
Chosen Option : **2**

Q.16 In a certain code language, 'INNER' is written as 'SNNWJ' and 'GLASS' is written as
'UPAII'. How will 'MODEL' be written in that language?

Ans ✘ 1. OMXVP

✔ 2. OMXWP

✘ 3. OMWWP

✘ 4. OMXWO

Question ID : **26433067327**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
30 : 48 :: 60 : ? :: 45 : 72

Ans ✔ 1. 96

✖ 2. 92

✖ 3. 90

✖ 4. 88

Q.18 उस शब्द-युग्म का चयन कीजिए, जो ठीक उसी संबंध का निरूपण करता हो, जो संबंध दिए गए इस शब्द-युग्म में अभिव्यक्त है।
(शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए और उन्हें शब्द के अक्षरों की संख्या/व्यंजनों की संख्या/स्वरों की संख्या के आधार पर परस्पर संबंधित नहीं होना चाहिए)
अधिग्रहित : प्राप्त

Ans ✖ 1. कड़वा : मीठा

✖ 2. एकत्रित : वितरित

✖ 3. आगमन : प्रस्थान

✔ 4. लघु : छोटा

Q.19 Select the odd group 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 /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. 13 – 159

✖ 2. 9 – 71

✔ 3. 5 – 31

✖ 4. 17 – 279

Q.20 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 / 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)
(8, 12, 6)
(9, 18, 8)

Ans ✖ 1. (4, 12, 6)

✔ 2. (12, 24, 8)

✖ 3. (7, 24, 4)

✖ 4. (9, 10, 11)

Q.21 Which of the following interchange of numbers and mathematical signs would make the given equation correct?

$72 ÷ 8 × 9 − 36 + 20 = 80$

Ans

✗ 1. 20 and 80, × and +

✗ 2. 9 and 36, × and ÷

✗ 3. 36 and 72, ÷ and −

✓ 4. 8 and 9, + and −

Q.22 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

TQT, ZSB, FUJ, LWR, ?

Ans

✓ 1. RYZ

✗ 2. RMZ

✗ 3. RYA

✗ 4. RNZ

Q.23 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:
No student is a teacher.
All students are children.
Some girls are students.

Conclusions:
I. Some children are not teachers.
II. Some girls are not teachers.
III. No girl is a teacher.

Ans

✓ 1. Only conclusions I and II follow

✗ 2. All conclusions follow

✗ 3. Only conclusions II and III follow

✗ 4. Only conclusions I and III follow

Q.24 Select the option figure that is embedded in the given figure. (Rotation is not allowed).

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **26433068851**
Status : **Answered**
Chosen Option : **3**

Q.25 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

B	L	O	T	L	B	T	O	C	V	8	=	V	C	=	8	
△	□	Z	↑	↑	△	□	Z	△	↑	Z	□	□	△	↑	Z	**?**
8	=	C	V	V	C	=	8	B	L	O	T	T	O	L	B	

Ans

✔ 1.
O	T	B	L
△	□	Z	↑
C	V	8	=

✘ 2.
T	O	L	B
V	C	=	8
□	△	↑	Z

✘ 3.
C	V	B	L
△	□	Z	↑
O	T	8	=

✘ 4.
O	T	8	=
△	□	Z	↑
C	V	B	L

Question ID : 26433085802
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 How many types of taxes were in the reign of the ruler Alauddin Khalji?

Ans ✔ 1. 3

✘ 2. 5

✘ 3. 6

✘ 4. 2

Question ID : 264330105428
Status : **Answered**
Chosen Option : **2**

Q.2 The bare ground between plants is covered with a layer of organic matter in order to retain soil moisture. This method is called _____.

Ans ✓ 1. Mulching

✗ 2. Rock dam

✗ 3. Shelter belts

✗ 4. Contour barriers

Question ID : **264330105610**
Status : **Not Answered**
Chosen Option : **--**

Q.3 In which of the following years was the Fit India Movement launched by Ministry of Youth Affairs and Sports, GoI?

Ans ✗ 1. 2018

✗ 2. 2001

✗ 3. 2020

✓ 4. 2019

Question ID : **26433059382**
Status : **Answered**
Chosen Option : **3**

Q.4 Husk of a coconut is made of _____ tissue.

Ans ✗ 1. Collenchyma

✗ 2. Xylem

✓ 3. Scherenchyma

✗ 4. Parenchyma

Question ID : **264330105455**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which of the following options is NOT correct about plant cells?

Ans ✗ 1. Cell wall of a plant cell is made up of cellulose.

✓ 2. The plant cells cannot divide by mitosis.

✗ 3. A plant cell usually contains a large vacuole.

✗ 4. Generally, all plant cells contain chloroplast.

Question ID : **26433071442**
Status : **Not Answered**
Chosen Option : **--**

Q.6 The Government of India started DACE scheme in April 2022. This scheme was launched under which of the following ministries?

Ans ✓ 1. Ministry of Social Justice and Empowerment

✗ 2. Ministry of Corporate Affairs

✗ 3. Ministry of Rural Development

✗ 4. Ministry of Education

Question ID : **264330105299**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Whose birthday is celebrated as International Day of Non-Violence?

Ans ✗ 1. Rajendra Prasad

✗ 2. Subhash Chandra Bose

✗ 3. Jawaharlal Nehru

✓ 4. Mahatma Gandhi

Question ID : **26433074083**
Status : **Answered**
Chosen Option : **4**

Q.8 निम्नलिखित में से किस भारतीय स्वतंत्रता सेनानी ने कहा था कि "खुद वो बदलाव बनिए जो आप दुनिया में देखना चाहते हैं"?

Ans ✗ 1. बिपिन चंद्र पाल

✗ 2. मोहम्मद अली जिन्ना

✗ 3. सुरेंद्रनाथ बनर्जी

✓ 4. महात्मा गांधी

Question ID : **26433085295**
Status : **Answered**
Chosen Option : **3**

Q.9 In which year was Kalidas Samman established?

Ans ✗ 1. 1978

✗ 2. 1975

✗ 3. 1984

✓ 4. 1980

Question ID : **26433082151**
Status : **Answered**
Chosen Option : **3**

Q.10 Who among the following has won Oscars as well as a Golden Globe award for his contribution to international music?

Ans ✗ 1. Pt. Jasraj

✓ 2. A.R.Rahman

✗ 3. Ravi Shankar

✗ 4. Zakir Hussain

Question ID : **26433064784**
Status : **Answered**
Chosen Option : **2**

Q.11 Asia is separated from Europe by _____ mountains.

Ans ✗ 1. Himalayan

✗ 2. Andes Mountains

✗ 3. Alps

✓ 4. Ural

Question ID : **264330105619**
Status : **Answered**
Chosen Option : **4**

Q.12 Which of the following states have the highest literacy rate, according to census 2011?

Ans
  ✗ 1. Lakshadweep

  ✗ 2. Goa

  ✗ 3. Mizoram

  ✓ 4. Kerala

Question ID : **264330105512**
Status : **Answered**
Chosen Option : **4**

Q.13 The system based on individual leadership is a _____ system.

Ans
  ✗ 1. semi-parliamentary

  ✗ 2. parliamentary

  ✓ 3. presidential

  ✗ 4. semi-presidential

Question ID : **26433064837**
Status : **Answered**
Chosen Option : **3**

Q.14 Which of the following rivers is NOT included in the 'Panchnad'?

Ans
  ✗ 1. The Beas

  ✗ 2. The Sutlej

  ✓ 3. The Indus

  ✗ 4. The Ravi

Question ID : **26433066513**
Status : **Not Answered**
Chosen Option : **--**

Q.15 The final of the French Open (Roland Garros) Tennis 2021 for men took place on which day?

Ans
  ✓ 1. 13 June

  ✗ 2. 30 July

  ✗ 3. 13 July

  ✗ 4. 5 June

Question ID : **26433070837**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Union Minister of Petroleum & Natural Gas Hardeep Singh Puri inaugurated Asia's largest Compressed Bio Gas (CBG) plant in _____.

Ans
  ✗ 1. Gujarat

  ✗ 2. Rajasthan

  ✓ 3. Punjab

  ✗ 4. Maharashtra

Question ID : **264330105253**
Status : **Answered**
Chosen Option : **2**

Q.17 Identify the correct statement with respect to unsaturated hydrocarbons.

Ans ✗ 1. Compounds of carbon having a single bond between their carbon atoms are called unsaturated compounds.

✔ 2. Compounds of carbon having double bonds or triple bonds between their carbon atoms are called unsaturated compounds.

✗ 3. Compounds of carbon having single bonds between their oxygen atoms are called unsaturated compounds.

✗ 4. Compounds of carbon having double or triple bonds between their hydrogen atoms are called unsaturated compounds.

Question ID : 26433086741
Status : **Answered**
Chosen Option : **1**

Q.18 Some important administrative posts were hereditary during the Rashtrakuta and Chola dynasties. The post 'nagara-shreshthi' meant?

Ans ✗ 1. Leader of the merchant caravans

✔ 2. Merchant of the city

✗ 3. Important minister

✗ 4. Chief judicial officer

Question ID : 264330105199
Status : **Answered**
Chosen Option : **2**

Q.19 Which of the following is added in the national income to obtain personal income of the households?

Ans ✗ 1. Net interest payments

✔ 2. Transfer payments from government and firms

✗ 3. Undistributed profits

✗ 4. Corporate tax

Question ID : 264330105363
Status : **Not Answered**
Chosen Option : **--**

Q.20 Who conducted X-ray spectroscopic study of a large number of elements and showed that the frequency of X-rays emitted by an element is related to the atomic number, Z, rather than the atomic mass?

Ans ✗ 1. Lothar Meyer

✗ 2. Dmitri Mendeleev

✔ 3. Henry Moseley

✗ 4. Johann Dobereiner

Question ID : 26433064082
Status : **Answered**
Chosen Option : **3**

Q.21 Which Five-Year Plan in India was mainly focussed on Garibi Hatao, creation of employment opportunities and agricultural production amongst other objectives?

Ans ✔ 1. Fifth

✗ 2. Fourth

✗ 3. Third

✗ 4. Second

Question ID : 26433064511
Status : **Answered**
Chosen Option : **4**

Q.22 लोकतंत्र के दो सबसे आवश्यक अधिकार कौन-से हैं?

Ans ✖ 1. शोषण, निवारक निरोध

✔ 2. समानता, स्वतंत्रता

✖ 3. स्वतंत्रता, निवारक निरोध

✖ 4. समानता, शोषण

Question ID : **26433064827**
Status : **Answered**
Chosen Option : **2**

Q.23 In March 2022, the "Stree Manoraksha project" was launched by which of the following Union Minister?

Ans ✖ 1. Union Minister for Education

✔ 2. Union Minister for Women and Child Development

✖ 3. Union Minister for Law and Justice

✖ 4. Union Minister for Health and Family Welfare

Question ID : **264330105308**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Jata-Jatin is the folk dance of which Indian state?

Ans ✖ 1. Manipur

✖ 2. Odisha

✔ 3. Bihar

✖ 4. West Bengal

Question ID : **26433054319**
Status : **Answered**
Chosen Option : **1**

Q.25 Mughal ruler, Aurangzeb died in which year?

Ans ✖ 1. 1703

✖ 2. 1705

✔ 3. 1707

✖ 4. 1701

Question ID : **264330105545**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 In an equilateral triangle ABC, D is the midpoint of side BC. If the length of BC is 8 cm, then the height of the triangle is:

Ans ✖ 1. 5.5 cm

✖ 2. 4.5 cm

✖ 3. $6\sqrt{3} \text{ cm}$

✔ 4. $4\sqrt{3} \text{ cm}$

Question ID : **26433079978**
Status : **Answered**
Chosen Option : **4**

Q.2 A thief steals a bike at 12:30p.m. and drives it at 48km/h. But the theft is discovered after half an hour. The bike owner starts to chase him on another bike at 58km/h. The thief will be caught at _____.

Ans ✗ 1. 3:40p.m.

✗ 2. 3:54p.m.

✗ 3. 3:10p.m.

✓ 4. 3:24p.m.

Q.3 If △ ABC~△ FDE such that AB = 9 cm, AC = 11 cm, DF = 16 cm and DE = 12 cm, then the length of BC is:

Ans

✗ 1. $5\frac{3}{4}$ cm

✗ 2. $4\frac{3}{5}$ cm

✗ 3. $3\frac{5}{7}$ cm

✓ 4. $6\frac{3}{4}$ cm

Q.4 The radii of two cylinders are in the ratio 1 : 4 and their heights are in the ratio 4 : 3. Their volumes will be in the ratio _____.

Ans ✓ 1. 1 : 12

✗ 2. 2 : 9

✗ 3. 3 : 10

✗ 4. 1 : 9

Q.5 If $x + \frac{1}{x} = 2\cos\theta$, then $x^3 + \frac{1}{x^3} = ?$

Ans ✗ 1. $2\cos 2\theta$

✗ 2. $\cos 3\theta$

✓ 3. $2\cos 3\theta$

✗ 4. $\cos 2\theta$

Q.6 A and B can do a certain work in 6 hours, and A, B and C together take 4 hours to do the same. How long will it take for C alone to accomplish the task?

Ans ✔ 1. 12 hours

✘ 2. 4 hours

✘ 3. 2 hours

✘ 4. 6 hours

Q.7 The pie chart given below shows the expenditure incurred by a person on 7 articles. The total expenditure of all these 7 articles are 3600. Expenditure incurred on a particular article is shown in terms of degree with respect to the total expenditure incurred in all these 7 articles.

What is the average expenditure incurred on article P and Q?

Ans ✘ 1. 875

✘ 2. 905

✘ 3. 885

✔ 4. 950

Q.8 $\sin^4\theta + \cos^4\theta$ in terms of $\sin\theta$ can be written as:

Ans ✘ 1. $2\sin^4\theta + 2\sin^2\theta - 1$

✘ 2. $2\sin^4\theta - 2\sin^2\theta$

✘ 3. $2\sin^4\theta - 2\sin^2\theta - 1$

✔ 4. $2\sin^4\theta - 2\sin^2\theta + 1$

Q.9 Three circles of radius 6 cm are kept touching each other. The string is tightly tied around these three circles. What is the length of the string?

Ans ✓ 1. 36 + 12p cm

✗ 2. 36 + 18p cm

✗ 3. 24 + 36p cm

✗ 4. 36 + 20p cm

Q.10 If $x = 3 + 2\sqrt{2}, \ x > 0$, then the value of $\sqrt{x} - \dfrac{1}{\sqrt{x}}$ is:

Ans ✗ 1. 1

✗ 2. $\sqrt{2}$

✓ 3. 2

✗ 4. $2\sqrt{2}$

Q.11 Study the given graph and table and answer the following question.

Data of different states regarding population of states in the year 1998

Total population of the given states = 32760000

States	Sex and literacy wise Population Ratio			
	Sex		Literacy	
	M	F	Literate	Illiterate
Arunachal Pradesh	5	3	2	7
Madhya Pradesh	3	1	1	4
Delhi	2	3	2	1
Goa	3	5	3	2
Bihar	3	4	4	1
Uttar Pradesh	3	2	7	2
Tamil Nadu	3	4	9	4

If in the year 1998, there was an increase of 20% in the population of Goa and 10% in the population of Arunachal Pradesh compared to the previous year, then what was the ratio of populations of Goa and Arunachal Pradesh in 1997?

Ans ✗ 1. $7 : 11$

✓ 2. $11 : 25$

✗ 3. $4 : 5$

✗ 4. $25 : 11$

Q.12 Suman paid ₹9,600 in interest on a loan she obtained 5 years ago with a simple interest rate of 16%. What was the amount of the loan she had taken?

Ans
- ✗ 1. ₹13,250
- ✗ 2. ₹12,500
- ✓ 3. ₹12,000
- ✗ 4. ₹11,750

Q.13 tan(θ -14π) is equal to:

Ans
- ✓ 1. $\tan\theta$
- ✗ 2. $-\cot\theta$
- ✗ 3. $\cot\theta$
- ✗ 4. $-\tan\theta$

Q.14 What will be the remainder when 7^{42} is divided by 48?

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

Q.15 The following pie chart is represents the units of electricity sold to various categories in a month by an Electricity Supplier.

Electricity sold to various categories of a town

- Domestic Supply
- Street Light
- Indutries
- Others

16%
46%
25%
13%

The central angle of the sector corresponding to supply for Industries is:

Ans
- ✗ 1. 48°
- ✗ 2. 25°
- ✗ 3. 46°
- ✓ 4. 90°

Q.16 Number p is 15% more than 150. If k is 15% less than p, then k is equal to:

Ans
  ✗ 1. 136.324

  ✗ 2. 166.625

  ✗ 3. 116.328

  ✔ 4. 146.625

Q.17 What is the HCF of 36 and 198?

Ans
  ✗ 1. 36

  ✗ 2. 22

  ✔ 3. 18

  ✗ 4. 9

Q.18 The cost of a piece of diamond varies with the square of its weight. A diamond of Rs.6,084 value is cut into 3 pieces whose weights are in the ratio 3 : 2 : 1. Find the loss involved in the cutting.

Ans
  ✗ 1. Rs.3,768

  ✔ 2. Rs.3,718

  ✗ 3. Rs.3,168

  ✗ 4. Rs.3,518

Q.19 The marked price of an article is ₹10,927. Due festive season, a certain percentage of discount is declared. Raju buys an article at reduced price and sells it at ₹109,27, and makes a profit of 11.5%. What was the percentage discount offered?

Ans
  ✔ 1. 10.3%

  ✗ 2. 11.3%

  ✗ 3. 11.5%

  ✗ 4. 10.9%

Q.20

If $x + \dfrac{1}{x} = -2$, then what is the value of $x^{17} + x^{-17} + x^{12} + x^{-12}$? (x < 0)

Ans ✗ 1. –2

✗ 2. –1

✗ 3. 1

✓ 4. 0

Question ID : 264330105921
Status : **Answered**
Chosen Option : **4**

Q.21 Find the mean proportion between $\left(6 + \sqrt{8}\right)$ and $\left(3 - \sqrt{2}\right)$.

Ans ✗ 1. $2\sqrt{12}$

✓ 2. $\sqrt{14}$

✗ 3. $\left(6 - \sqrt{8}\right)$

✗ 4. $\sqrt{15} - 7$

Question ID : 26433064983
Status : **Answered**
Chosen Option : **2**

Q.22 If $x - y = 1$ and $x^2 + y^2 = 41$ where $x, y \geq 0$, then the value of $x + y$ will be:

Ans ✓ 1. 9

✗ 2. 8

✗ 3. 6

✗ 4. 7

Question ID : 26433074495
Status : **Answered**
Chosen Option : **1**

Q.23 $\triangle XYZ \sim \triangle GST$ and $XY : GS = 2:3$, XV is the median to the side YZ, and GD is the median to the side ST. The value of $\left(\dfrac{YV}{SD}\right)^2$ is _____.

Ans ✓ 1. $\dfrac{4}{9}$

✗ 2. $\dfrac{3}{5}$

✗ 3. $\dfrac{1}{4}$

✗ 4. $\dfrac{2}{3}$

Question ID : 26433091946
Status : **Answered**
Chosen Option : **1**

Q.24 Vikas covered a certain distance by bike. If he covers 40% of the distance at 40 km/h, 50% of the distance at 25 km/h and the remaining 10% distance at 10 km/h. Find his average speed over the whole distance.

Ans ✔ 1. 25 km/h

✘ 2. 28 km/h

✘ 3. 26 km/h

✘ 4. 30 km/h

Q.25 The table given below shows the production of refrigerator by 6 companies.

Companies	Production
E	300
F	270
G	260
H	240
I	220
J	250

What is the ratio of production of refrigerator by company G to the production of refrigerator by company I?

Ans ✘ 1. 12 : 13

✘ 2. 11 : 13

✔ 3. 13 : 11

✘ 4. 13 : 12

Section : **English Comprehension**

Q.1 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Oscar is the most prestigious award which is <u>introduced to good</u> actors in that year.

Ans ✘ 1. rewarded to good

✘ 2. nominated to fine

✔ 3. awarded to best

✘ 4. attached to fine

Q.2 Select the most appropriate option that can substitute the underlined segment in the given sentence.
When I reached home late, I found my children <u>waiting on me.</u>

Ans ✘ 1. waiting with me

✘ 2. waiting by me

✘ 3. waiting about me

✔ 4. waiting for me

Q.3 Select the most appropriate option to fill in the blank.

Our school had decided to take us to the Himalayas for excursion. I _____ to convince my mother to give consent.

Ans ✗ 1. fought fire with fire

✗ 2. brought home the bacon

✗ 3. made waves

✔ 4. left no stones unturned

Question ID : **26433070552**
Status : **Answered**
Chosen Option : **4**

Q.4 Identify the INCORRECTLY spelt word in the given sentence.

The rhime and rhythm of Papai's poems are highly symbolical and timely.

Ans ✔ 1. Rhime

✗ 2. Timely

✗ 3. Rhythm

✗ 4. Symbolical

Question ID : **26433070562**
Status : **Answered**
Chosen Option : **1**

Q.5 Select the INCORRECTLY spelt word.

Ans ✗ 1. Justice

✔ 2. Judege

✗ 3. Attorney

✗ 4. Lawyer

Question ID : **26433065137**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the sentence with the appropriate use of adverb of frequency.

Ans ✗ 1. Radha goes to Nagpur with great affection.

✗ 2. Radha goes to Nagpur for her office work.

✔ 3. Radha often goes to Nagpur.

✗ 4. Radha goes to Nagpur to meet her uncle.

Question ID : **26433073885**
Status : **Answered**
Chosen Option : **3**

Q.7 Select the most appropriate synonym of the given word.

Obligatory

Ans ✗ 1. Unnecessary

✔ 2. Compulsory

✗ 3. Chosen

✗ 4. Optional

Question ID : **26433071877**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the most appropriate ANTONYM of the underlined word.

Built by King Narasimhadeva I of the Eastern Ganga dynasty from 1238-1250 CE, the 13th century late-style Kalingan temple forms part of the golden triangle of Odisha, along with Puri and Bhubaneswar, and <u>attracts</u> tourists, pilgrims, and history and art lovers.

Ans ✗ 1. Embodies

✗ 2. Shrouds

✗ 3. Elucidates

✓ 4. Deters

Q.9 Select the option that contains a grammatical error in the underlined portion.

There are three cupholders placed on the cupboards of the secretariat table.

Ans ✗ 1. <u>There are three cupholders</u> placed on the cupboards of the secretariat table.

✓ 2. There are three cupholders placed <u>on the cupboards</u> of the secretariat table.

✗ 3. There are three cupholders placed on the cupboards of <u>the secretariat table</u>.

✗ 4. There are three cupholders <u>placed on the</u> cupboards of the secretariat table.

Q.10 Select the most appropriate option to fill in the blank.

Anita is an employee who has unconditional _____ for her company.

Ans ✗ 1. support

✗ 2. dedication

✗ 3. attachment

✓ 4. love

Q.11 Rearrange the parts of the sentence in correct order.

The spectacular

P. Indian economy, were largely based on coal

Q. expansion of electrification of the

R. the last 20 years, and the considerable

S. Chinese economic growth of

Ans ✗ 1. QRPS

✗ 2. SQRP

✗ 3. PRQS

✓ 4. SRQP

Q.12 Select the correct direct form of the given sentence.
The surgeon says that I should get anaesthesia for the surgery.

Ans ✓ 1. The surgeon says, "You should get anaesthesia for the surgery."

✗ 2. The surgeon says, "I should get anaesthesia for the surgery."

✗ 3. The surgeon said, "You should get anaesthesia for the surgery."

✗ 4. The surgeon says, "You could get anaesthesia for the surgery."

Q.13 Select the correct active form of the given sentence.
Why is peace being demanded by you?

Ans ✗ 1. Why you are demanding peace?

✗ 2. Why are peace demanded?

✓ 3. Why are you demanding peace?

✗ 4. Why you demand peace?

Q.14 Select the most appropriate ANTONYM of the underlined word.
The WHO issued a statement on Sunday morning that though the Omicron variant of coronavirus may appear to be less severe, it should not be dismissed as 'mild'.

Ans ✗ 1. Withered

✗ 2. Sick

✓ 3. Gentle

✗ 4. Voracious

Q.15 Select the correct passive form of the given sentence.
They fired her because she was careless.

Ans ✗ 1. She is being fired by them because she was careless.

✗ 2. She is fired by them because she was careless.

✗ 3. She had been fired by them because she was careless.

✓ 4. She was fired by them because she was careless.

Q.16 Select the most appropriate option to fill in the blank.

He has experienced _____ abuse.

Ans ✗ 1. palpable

✗ 2. visible

✓ 3. physical

✗ 4. intangible

Q.17 The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
P. You can use proper lighting, reduce screen glare, and take more breaks.
Q. However, one of the easiest habits to build is to follow the "20-20-20 rule".
R. There are lots of ways you can protect your eyes during the day.
S. Every 20 minutes of time spent staring at a screen, look away at an option that is at least 20 feet away for 20 seconds.

Ans ✗ 1. SQPR

✗ 2. QRSP

✓ 3. RPQS

✗ 4. SPRQ

Question ID : **264330104714**
Status : **Answered**
Chosen Option : **3**

Q.18 Select the most appropriate meaning of the underlined idiom in the given sentence.

Being an ardent professional, the lawyer always kept his clients <u>at an arm's length</u>.

Ans ✗ 1. Away from each other

✓ 2. At a distance

✗ 3. Under wraps

✗ 4. Alert and prepared

Question ID : **26433071987**
Status : **Answered**
Chosen Option : **2**

Q.19 Select the most appropriate synonym of the underlined word in the given sentence.

Rahul was sharing some of his childhood stories and they were <u>hysterical</u>.

Ans ✗ 1. Emotional

✗ 2. Dangerous

✓ 3. Funny

✗ 4. Scary

Question ID : **26433060361**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Not only is my brother intelligent <u>though hard working</u> too.

Ans ✗ 1. or hard working

✓ 2. but hard working

✗ 3. so hard working

✗ 4. yet hard working

Question ID : **26433081310**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Everything we know about non-avian dinosaurs is _____ (1) fossils, which include bones, teeth, footprints, tracks, eggs, and skin impressions. For centuries, people throughout the world have _____ (2) amazing fossilized bones and footprints. Early finds inspired _____ (3) and fairy tales, and people _____ (4) that these bones belonged to _____ (5) or huge monsters.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank number 1.**

Ans ✗ 1. taken after

✗ 2. held on

✗ 3. given in

✔ 4. based on

Question ID : **26433079000**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Everything we know about non-avian dinosaurs is _____ (1) fossils, which include bones, teeth, footprints, tracks, eggs, and skin impressions. For centuries, people throughout the world have _____ (2) amazing fossilized bones and footprints. Early finds inspired _____ (3) and fairy tales, and people _____ (4) that these bones belonged to _____ (5) or huge monsters.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank number 2.**

Ans ✗ 1. designed

✗ 2. invented

✗ 3. fabricated

✔ 4. discovered

Question ID : **26433079001**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Everything we know about non-avian dinosaurs is _____ (1) fossils, which include bones, teeth, footprints, tracks, eggs, and skin impressions. For centuries, people throughout the world have _____ (2) amazing fossilized bones and footprints. Early finds inspired _____ (3) and fairy tales, and people _____ (4) that these bones belonged to _____ (5) or huge monsters.

SubQuestion No : 23

Q.23 **Select the most appropriate option to fill in blank number 3.**

Ans ✗ 1. fame

✗ 2. celebrities

✔ 3. legends

✗ 4. honour

Question ID : **26433079002**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Everything we know about non-avian dinosaurs is _____ (1) fossils, which include bones, teeth, footprints, tracks, eggs, and skin impressions. For centuries, people throughout the world have _____ (2) amazing fossilized bones and footprints. Early finds inspired _____ (3) and fairy tales, and people _____ (4) that these bones belonged to _____ (5) or huge monsters.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans ✗ 1. aimed

✗ 2. opposed

✗ 3. arranged

✔ 4. imagined

Question ID : **26433079003**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Everything we know about non-avian dinosaurs is _____ (1) fossils, which include bones, teeth, footprints, tracks, eggs, and skin impressions. For centuries, people throughout the world have _____ (2) amazing fossilized bones and footprints. Early finds inspired _____ (3) and fairy tales, and people _____ (4) that these bones belonged to _____ (5) or huge monsters.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans ✗ 1. spirits

✗ 2. devils

✗ 3. ghosts

✔ 4. giants

Question ID : **26433079004**
Status : **Answered**
Chosen Option : **2**

Combined Graduate Level Examination Tier I 2022

Roll Number	www.HaryanaJobs.in
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Exam Date	05/12/2022
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 Select the odd group 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 /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. (6 – 60 – 1200)

✔ 2. (7 – 70 – 1600)

✗ 3. (5 – 50 – 1000)

✗ 4. (4 – 40 – 800)

Question ID : **264330105093**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
CAST : DCVX :: BUSH : CWVL :: ARMY : ?

Ans ✗ 1. PTCB

✗ 2. CTBP

✗ 3. TBPC

✔ 4. BTPC

Question ID : **26433069022**
Status : **Answered**
Chosen Option : **4**

Q.3 A # B means 'A is the brother of B'
A @ B means 'A is the son of B'
A & B means 'A is the wife of B'
A % B means 'A is the mother of B'
If X @ Y & Z # U & W @ V, then how is U related to V?

Ans ✗ 1. Sister

✔ 2. Daughter-in-law

✗ 3. Daughter

✗ 4. Wife

Question ID : **26433065961**
Status : **Answered**
Chosen Option : **2**

Q.4 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

Ans
  ✗ 1. AMRW

  ✓ 2. XFIK

  ✗ 3. PBGL

  ✗ 4. KWBG

Q.5 By Interchanging the given two numbers which of the following equation will be not correct?
3 and 4

Ans
  ✗ 1. $3 + 5 \times 4 - 6 \div 2 = 16$

  ✓ 2. $4 \times 6 - 3 + 9 \div 1 = 25$

  ✗ 3. $3 \times 7 - 8 \div 2 + 4 = 27$

  ✗ 4. $9 \times 3 \div 6 + 4 - 8 = 1$

Q.6 In a certain code language, 'complete the drawing' is coded as '837', 'do not leave early' is coded as '2355' and 'we need break' is coded as '245'. How will 'kindly stand straight' be coded in that language?

Ans
  ✗ 1. 856

  ✓ 2. 658

  ✗ 3. 456

  ✗ 4. 769

Q.7 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.
11 : 91 :: ? : 154 :: 15 : 127

Ans
  ✗ 1. 16

  ✓ 2. 18

  ✗ 3. 14

  ✗ 4. 24

Q.8 By interchanging the given two signs and numbers which of the following equation will be correct?
+ and −, 7 and 3

Ans ✗ 1. 7 + 3 × 9 − 8 ÷ 2 = 30

✗ 2. 9 × 7 + 3 − 4 ÷ 2 = 18

✓ 3. 3 × 4 ÷ 2 + 7 − 5 = 16

✗ 4. 3 + 7 ÷ 1 − 4 × 2 = 16

Q.9 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Humility
2. Humbug
3. Humanoid
4. Humidity
5. Humoresque
6. Humanity
7. Humectants

Ans ✓ 1. 6, 3, 2, 7, 4, 1, 5

✗ 2. 6, 3, 2, 7, 1, 4, 5

✗ 3. 6, 3, 7, 2, 1, 4, 5

✗ 4. 6, 3, 7, 2, 4, 1, 5

Q.10 In a certain code language, 'DAISY' is written as 'FCIQW' and 'ROSES' is written as 'TQSCQ'. How will 'LOTUS' be written in that language?

Ans ✗ 1. NQSTQ

✓ 2. NQTSQ

✗ 3. NPTSP

✗ 4. NQTSP

Q.11 Which two signs should be interchanged to make the given equation correct?
(50 ÷ 3) * 15 + 25 − 10 = 25

Ans ✗ 1. ÷ and −

✗ 2. + and *

✓ 3. ÷ and *

✗ 4. + and −

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the given set.
(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.)
(23, 161, 207)
(47, 329, 423)

Ans ✓ 1. (64, 448, 576)

✗ 2. (84, 442, 570)

✗ 3. (29, 112, 782)

✗ 4. (33, 97, 297)

Question ID : **26433068386**
Status : **Answered**
Chosen Option : **1**

Q.13 Which of the following numbers will replace the question mark (?) in the given series?
1, 3, 6, 18, 36, 108, ?

Ans ✗ 1. 196

✗ 2. 224

✗ 3. 236

✓ 4. 216

Question ID : **26433067876**
Status : **Answered**
Chosen Option : **4**

Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
• Some violins are pianos.
• All violins are flutes.
• No violin is a guitar.
Conclusions:
I. No guitar is a piano.
II. Some flutes are pianos
III. All flutes are guitars.

Ans ✗ 1. Only conclusion I and III follow

✗ 2. Only conclusion I follows

✓ 3. Only conclusion II follows

✗ 4. Only conclusion I and II follow

Question ID : **26433058079**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X)

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.16 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

M

d y k 5 3 m

N

Ans

✔ 1. m Ɛ Ƨ ʞ γ b

✗ 2. ɯ Ɛ Ƨ k y p

✗ 3. ɯ Ɛ Ƨ ʞ y b

✗ 4. ɯ Ɛ 5 ʞ γ p

Q.17 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.
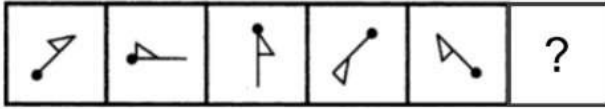**18 : 234 :: ? : 176 :: 14 : 126**

Ans ✗ 1. 14

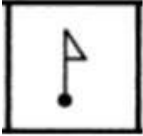✗ 2. 15

✗ 3. 20

✔ 4. 16

Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.19 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✔ 3.

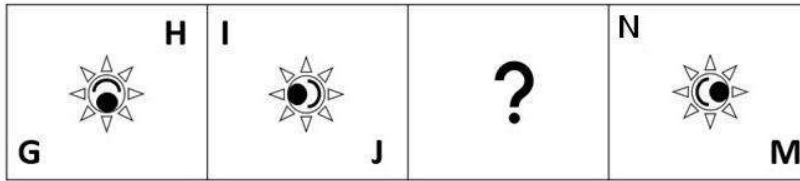✗ 4.

Question ID : 26433057789
Status : **Answered**
Chosen Option : **3**

Q.20 Select the option that is related to the third word in the same way as the second word is related to the first word.
(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.)
Lens : Camera :: Cartridge : ?

Ans ✔ 1. Printer

✗ 2. Ink

✗ 3. Paper

✗ 4. Computer
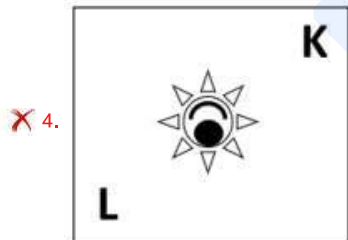
Question ID : 26433056818
Status : **Answered**
Chosen Option : **1**

Q.21 Three different positions of the same dice are shown (figures 1 to 3). Find the number on the face opposite to the face having '3'.

figure 1   figure 2   figure 3

Ans   ✖ 1. 1

    ✔ 2. 2

    ✖ 3. 5

    ✖ 4. 6

Q.22 Which letter cluster will replace the question mark (?) to complete the given series?
BLJS, FOLT, ?, NUPV, RXRW

Ans   ✖ 1. KRMU

    ✔ 2. JRNU

    ✖ 3. KRNU

    ✖ 4. JRMU

Q.23 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. Some second are time.
II. All time are minute.
Conclusion:
I. No minute is time.
II. No time is second.
III. No second is minute.

Ans   ✖ 1. Only conclusion I follows

    ✖ 2. All conclusion follows

    ✔ 3. Neither conclusion follows

    ✖ 4. Both conclusions I and II follows

Q.24 If A × B means that A is the father of B, A + B means that A is the mother of B, A – B means that A is the brother of B then which of the following expression shows that Q is the brother of P?

Ans ✗ 1. P + Q – R

✗ 2. P – Q + R

✗ 3. P × R – Q

✔ 4. P – Q × R

Q.25 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
CABQ, CEJC, CIRO, CMZA, ?

Ans ✗ 1. CQIM

✗ 2. CMNP

✔ 3. CQHM

✗ 4. CMRT

Section : **General Awareness**

Q.1 Where was the FIH Men's Indoor Hockey World Cup 2018 organised?

Ans ✔ 1. Berlin, Germany

✗ 2. Poznan, Poland

✗ 3. Vienna, Austria

✗ 4. Leipzig, Germany

Q.2 How many fundamental duties are provided in the Indian Constitution?

Ans ✔ 1. 11

✗ 2. 12

✗ 3. 14

✗ 4. 17

Q.3 In the context of India, tropical cyclones originate over the _____.

Ans ✗ 1. Arabian Sea

✗ 2. Pacific Ocean

✔ 3. Bay of Bengal

✗ 4. Mediterranean Sea

Q.4 Which of the following UT/states have the highest density/km^2, according to census 2011?

Ans ✗ 1. Pondicherry

✗ 2. Chandigarh

✗ 3. Uttar Pradesh

✓ 4. Bihar

Question ID : **264330105513**
Status : **Answered**
Chosen Option : **2**

Q.5 Which college was established in Banaras in 1791?

Ans ✗ 1. Dayanand College

✗ 2. Shivaji College

✓ 3. Hindu College

✗ 4. Sanskrit College

Question ID : **264330105577**
Status : **Answered**
Chosen Option : **3**

Q.6 Which country is the leading producer of rice?

Ans ✓ 1. China

✗ 2. Japan

✗ 3. India

✗ 4. Egypt

Question ID : **264330105612**
Status : **Answered**
Chosen Option : **3**

Q.7 Who has been appointed as new director of AIIMS, New Delhi in September 2022?

Ans ✗ 1. Raj Subramaniam

✓ 2. M. Srinivas

✗ 3. Krishnan Ramanujam

✗ 4. Nitin Chugh

Question ID : **264330105352**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The Winter Olympics - 2026 will be hosted by _____.

Ans ✗ 1. Russia

✗ 2. Canada

✓ 3. Italy

✗ 4. France

Question ID : **26433071554**
Status : **Answered**
Chosen Option : **4**

Q.9 Whom among the following Indian classical musicians is an auditorium in Teheran, Iran named after?

Ans ✔ 1. Ustad Bismillah Khan

✘ 2. Ustad Sultan Khan

✘ 3. Ustad Zakir Hussain

✘ 4. Ustad Vilayat Khan

Question ID : **26433064790**

Status : **Not Answered**

Chosen Option : **--**

Q.10 Which type of rock can be considered as a biological sedimentary rock?

Ans ✘ 1. Bauxite

✘ 2. Marble

✘ 3. Granite

✔ 4. Limestone

Question ID : **26433064192**

Status : **Not Answered**

Chosen Option : **--**

Q.11 Who discovered three chemical elements: cerium, thorium and selenium, and devised the modern method by which one or two letters are used to symbolise elements?

Ans ✘ 1. Hennig Brand

✘ 2. Niels Bohr

✔ 3. Jacob Berzelius

✘ 4. John Dalton

Question ID : **26433064084**

Status : **Not Answered**

Chosen Option : **--**

Q.12 With respect to India's foreign trade, which year is referred to as the year of divide?

Ans ✘ 1. 2010

✔ 2. 1991

✘ 3. 1981

✘ 4. 1996

Question ID : **26433054792**

Status : **Not Answered**

Chosen Option : **--**

Q.13 The elections to the Panchayati Raj institutions are conducted by the _____.

Ans ✘ 1. Central election commission

✘ 2. State government

✔ 3. State election commission

✘ 4. Central government

Question ID : **26433064835**

Status : **Not Answered**

Chosen Option : **--**

Q.14 Money multiplier can be expressed as _____.

Ans
- ✗ 1. Statutory liquidity ratio / Cash Reserve Ratio
- ✗ 2. 1/ Statutory liquidity ratio
- ✗ 3. Cash reserve ratio – Statutory liquidity ratio
- ✓ 4. 1/ Cash Reserve Ratio

Question ID : **264330105376**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Who among the following is supposed to compile both the Puranas and the Mahabharata?

Ans
- ✗ 1. Sage Vasishtha
- ✗ 2. Sage Bharadwaja
- ✓ 3. Sage Vyasa
- ✗ 4. Sage Valmiki

Question ID : **264330105206**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Sultan Mahmud came to India from which of the following city of Afghanistan?

Ans
- ✓ 1. Ghazni
- ✗ 2. Jalalabad
- ✗ 3. Kabul
- ✗ 4. Kandahar

Question ID : **264330105410**
Status : **Not Answered**
Chosen Option : **--**

Q.17 In which year did Langmuir reform the Lewis concept by abandoning the idea of a stable cubical arrangement of the octet and introducing the term 'covalent bond'?

Ans
- ✓ 1. 1919
- ✗ 2. 1915
- ✗ 3. 1921
- ✗ 4. 1917

Question ID : **26433064076**
Status : **Answered**
Chosen Option : **4**

Q.18 Jagoi and cholom are the two main divisions in which Classical dance?

Ans
- ✗ 1. Bharatanatyam
- ✗ 2. Odissi
- ✓ 3. Manipuri
- ✗ 4. Mohiniyattam

Question ID : **26433054314**
Status : **Answered**
Chosen Option : **3**

Q.19 Guru Kelucharan Mohapatra, who was awarded the Padma Vibhushan in 2000, was an exponent of which of the following classical dances of India?

Ans ✖ 1. Kathakali

  ✔ 2. Odissi

  ✖ 3. Kathak

  ✖ 4. Mohiniyattam

Q.20 How much purse money was given to a recipient of the Akademi Award in 2019?

Ans ✔ 1. ₹1 lakh

  ✖ 2. ₹4 lakh

  ✖ 3. ₹2 lakh

  ✖ 4. ₹3 lakh

Q.21 Who has been appointed as a brand ambassador of Punyakoti Dattu Yojana?

Ans ✖ 1. Rana Daggubati

  ✔ 2. Kichcha Sudeep

  ✖ 3. Mahesh Babu

  ✖ 4. Sonu Sood

Q.22 The second volume of the Akbar Nama recorded the _____.

Ans ✖ 1. Akbar's ancestors

  ✖ 2. Akbar's administration

  ✔ 3. Events of Akbar's reign

  ✖ 4. Akbar's battles

Q.23 Which of the following is a local wind?

Ans ✔ 1. Loo

  ✖ 2. Westerlies

  ✖ 3. Monsoon

  ✖ 4. Easterlies

Q.24 Match Column-A with Column-B

Column-A (Organelle)	Column-B (Function)
i. Mitochondria	a. Protein synthesis
ii. Ribosomes	b. Regulation of activity of a cell
iii. Nucleus	c. Digestive system of a cell
iv. Lysosomes	d. Energy generation

Ans ✗ 1. i-c, ii-a, iii-d, iv-c

✗ 2. i-b, ii-a, iii-c, iv-d

✗ 3. i-a, ii-b, iii-c, iv-d

✓ 4. i-d, ii-a, iii-b, iv-c

Question ID : 26433082211
Status : **Answered**
Chosen Option : **4**

Q.25 Which state government has launched the novel 'Chief Minister's Breakfast Scheme' in September 2022?

Ans ✗ 1. Andhra Pradesh

✓ 2. Tamil Nadu

✗ 3. Kerala

✗ 4. Himachal Pradesh

Question ID : 264330105311
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 Simplify the following. $25^3 - 75^3 + 50^3$

Ans ✓ 1. –281250

✗ 2. 281350

✗ 3. 271250

✗ 4. –281450

Question ID : 26433075288
Status : **Answered**
Chosen Option : **1**

Q.2 Find the greatest 5-digit number which is divisible by 11, 33, 99 and 121.

Ans ✗ 1. 90099

✗ 2. 99990

✓ 3. 99099

✗ 4. 90909

Question ID : 26433074948
Status : **Not Answered**
Chosen Option : **--**

Q.3

If $\tan A = \dfrac{2}{3}$, then what is the value of the following?

$$(5 \sin^2 A - 2 \cos^2 A) \div (15 \sin^2 A + 3 \cos^2 A)$$

Ans

✗ 1. $\dfrac{21}{47}$

✔ 2. $\dfrac{2}{87}$

✗ 3. $\dfrac{2}{5}$

✗ 4. $\dfrac{3}{77}$

Q.4

The given bar graph shows the data of production of pulses (in lakh tonnes) by three different countries X, Y and Z over the years. Study the bar graph and answer the question that follows.

Production of pulses (in lakh tonnes) by three countries X,Y and Z over different years

For which country is the average production (in lakh tonnes) for five years the maximum?

Ans ✗ 1. X

✔ 2. Z

✗ 3. Y

✗ 4. Y and Z both

Q.5 The fourth proportion to 12, 24 and 27 is the same as the third proportion to A and 36. What is the value of A?

Ans ✗ 1. 22

✔ 2. 24

✗ 3. 26

✗ 4. 20

Q.6 If θ is an acute angle and tanθ + cotθ = 2, then the value of $\tan^2\theta + \cot^2\theta + 2\tan^5\theta\cot^4\theta$ is:

Ans ✗ 1. 3

  ✓ 2. 4

  ✗ 3. 1

  ✗ 4. 2

Q.7 A shopkeeper offers three types of discount schemes for buyers. Which of them has the maximum discount percentage?
I. Two successive discounts of 10% each.
II. Successive discounts of 15% and 5%.
III. 20% discount.

Ans ✗ 1. Only discount scheme I

  ✗ 2. Only discount scheme II

  ✓ 3. Only discount scheme III

  ✗ 4. All provide equal discount

Q.8 The lengths (in cm) of three sides of a triangle are, respectively, 48, 55 and 73. What is the length (in cm) of the median joining the mid-point of the longest side to its opposite vertex?

Ans ✗ 1. 27.5

  ✗ 2. 73

  ✗ 3. 24

  ✓ 4. 36.5

Q.9 What is the smallest number that should be added to 4567 so that the sum is divisible by 7?

Ans ✗ 1. 7

  ✗ 2. 5

  ✗ 3. 6

  ✓ 4. 4

Q.10 A businessman cheats by using faulty weights, to the tune of 12% each time, when buying and selling material. What is the rise in his profit percentage using faulty weights only?

Ans   ✗ 1. 22%

     ✓ 2. 25.44%

     ✗ 3. 24%

     ✗ 4. 26.32%

Q.11 Study the given table (income in dollars) and answer the question that follows.

Source of Income	Adam	Brad	Christy	David
Salary	350	200	460	500
Bonus	90	40	115	130
Overtime	160	65	170	185
Arrears	200	125	145	235
Total	800	430	890	1050

The income from bonus is how much per cent of the income from arrears in the case of Adam?

Ans   ✗ 1. 80%

     ✗ 2. 40%

     ✗ 3. 90%

     ✓ 4. 45%

Q.12 The following pie chart represents the total expenditure of ₹12,00,000 on several items in construction of a house in a village.

The percentage of the total expenditures spent on Cement, Wood and Plastic (correct to 2 decimal places) is:

Ans   ✗ 1. 18.65%

     ✗ 2. 25.25%

     ✗ 3. 30.25%

     ✓ 4. 42.22%

Q.13 Select the correct algebraic expression.

Ans   ✅ 1. $ab - a - b + 1 = (a - 1)(b - 1)$

     ❌ 2. $ab + a - b + 1 = (1 - a)(1 - b)(1 - a)(1 + b)$

     ❌ 3. $ab - a - b + 1 = (1 - a)(b - 1)$

     ❌ 4. $ab - a - b + 1 = (a - 1)(1 - b)$

Q.14 What is the value of

$$100^2 - 99^2 + 98^2 - 97^2 + 96^2 - 95^2 + 94^2 - 93^2 + \ldots\ldots 12^2 - 11^2$$

?

Ans   ❌ 1. 5050

     ❌ 2. 4985

     ✅ 3. 4995

     ❌ 4. 4950

Q.15 Mr. X has a monthly income of $26,500 and his monthly expenditure is $20,500. The next year, his salary is increased by 12% and expenditure is increased by 6%. His savings increase by how much percent?

Ans   ✅ 1. 32.5%

     ❌ 2. 27.3%

     ❌ 3. 32.0%

     ❌ 4. 34.7%

Q.16 The given table shows the number of new employees who joined in different categories of employees in an organisation and also the number of employees from these categories who left the organisation every year since the foundation of the organisation in 2015. Study the table and answer the questions that follow.

Year	Business Analysts		Accountants		Sales Representatives		Peons	
	Joined	Left	Joined	Left	Joined	Left	Joined	Left
2015	80	0	35	0	50	0	73	0
2016	63	21	26	16	46	20	34	23
2017	78	28	15	5	38	15	48	29
2018	42	39	20	38	34	0	14	12
2019	67	44	14	24	22	30	21	30

What was the total number of accountants working in the organisation in the year 2019?

Ans   ✅ 1. 27

     ❌ 2. 193

     ❌ 3. 110

     ❌ 4. 83

Q.17 The perimeter of a triangle with sides of integer values is equal to 13. How many such triangles are possible?

Ans   ✔ 1. 5

     ✘ 2. 8

     ✘ 3. 7

     ✘ 4. 6

Question ID : **26433075256**
Status : **Not Answered**
Chosen Option : **--**

Q.18 A sum of money invested at simple interest becomes 17/10 of itself in 2 years and 6 months. What is the rate of interest per annum?

Ans   ✘ 1. 22 percent

     ✘ 2. 16 percent

     ✔ 3. 28 percent

     ✘ 4. 34 percent

Question ID : **264330105674**
Status : **Answered**
Chosen Option : **3**

Q.19 A hollow sphere has an outer radius of 4 cm and inner radius of 1 cm. What is the volume of this hollow sphere?

Ans   ✔ 1. 84p cm^3

     ✘ 2. 68p cm^3

     ✘ 3. 48p cm^3

     ✘ 4. 92p cm^3

Question ID : **264330105876**
Status : **Answered**
Chosen Option : **1**

Q.20 A person travels from P to Q at a speed of 50 km/h and returns by increasing his speed by 60%. What is his average speed for both the trips?

Ans   ✘ 1. 35.61 km/h

     ✔ 2. 61.53 km/h

     ✘ 3. 31.56 km/h

     ✘ 4. 16.53 km/h

Question ID : **26433072997**
Status : **Answered**
Chosen Option : **2**

Q.21 Which of the following is NOT a correct statement?

Ans   ✘ 1. The speed of 20 m/s is less than the speed of 85 km/h.

     ✘ 2. Time may be calculated by dividing the distance by the speed.

     ✘ 3. Covering the same distance in lesser time implies a higher speed.

     ✔ 4. The speed of 99 km/h is less than the speed of 24 m/s.

Question ID : **26433091624**
Status : **Answered**
Chosen Option : **4**

Q.22 In a ∆ABC, the internal bisectors of the angle B and the angle C intersect at an angle of 105°. What is the value of the angle A?

Ans ✗ 1. 52.5°

✗ 2. 75°

✗ 3. 15°

✓ 4. 30°

Q.23 $\cot^2 A - \cos^2 A$ is equal to:

Ans ✗ 1. $\cos^2 A. \sin^2 A$

✓ 2. $\cos^2 A. \cot^2 A$

✗ 3. 1

✗ 4. 0

Q.24 The volume of the hemisphere is 19,404 cm^3. The radius of the hemisphere is _____.

Ans ✗ 1. 14 cm

✗ 2. 19 cm

✓ 3. 21 cm

✗ 4. 17 cm

Q.25 40 men can complete a work in 15 days. Three days after they started working, 20 more men joined them. In how many days the total work will be completed?

Ans ✗ 1. 12

✗ 2. 13

✓ 3. 11

✗ 4. 10

Section : **English Comprehension**

Q.1 Select the sentence with the appropriate use of preposition.

Ans ✓ 1. They rise with the morning lark and labour till almost dark.

✗ 2. They rise with the morning lark and labour utmost almost dark.

✗ 3. They rise with the morning lark and labour by almost dark.

✗ 4. They rise with the morning lark and labour still almost dark.

Q.2 Select the most appropriate idiom that can substitute the italicised words in the given sentence.

He was sacked from his job because of *a grave error* on his part.

Ans ✗ 1. raining cats and dogs

✗ 2. minding one's p's and q's

✗ 3. picking holes in one's cot

✔ 4. Himalayan blunder

Question ID : **26433060513**
Status : **Answered**
Chosen Option : **4**

Q.3 Select the most appropriate collocation to substitute the underlined word in the given sentence.

The banker warned me not to be <u>careless from</u> my ATM card.

Ans ✗ 1. careless beside

✔ 2. careless with

✗ 3. careless across

✗ 4. careless on

Question ID : **26433074006**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the most appropriate ANTONYM of the underlined word.

Beowulf was praised for his <u>valour</u> displayed in the battlefield.

Ans ✗ 1. Forbearance

✗ 2. Erudition

✔ 3. Cowardice

✗ 4. Idiosyncrasy

Question ID : **26433070523**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate idiom that can substitute the italicised words in the given sentence.

I have been a vegetarian for *a very long time*.

Ans ✔ 1. donkey's years

✗ 2. duck in the thunderstorm

✗ 3. die in harness

✗ 4. Damocles' sword

Question ID : **26433071998**
Status : **Answered**
Chosen Option : **1**

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

A very expensive and elaborately built tomb

Ans ✔ 1. Mausoleum

✖ 2. Cemetery

✖ 3. Mosque

✖ 4. Masterpiece

Question ID : **26433061039**
Status : **Answered**
Chosen Option : **3**

Q.7 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Every nook and corner <u>of the house were unclean.</u>

Ans ✖ 1. of a house was unclean

✖ 2. by the house were unclean

✖ 3. to the house were unclean

✔ 4. of the house was unclean

Question ID : **26433084635**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the correct direct form of the given sentence.
John said that he was there to resolve that fight for them.

Ans ✖ 1. John says, "I am here to resolve this fight for you."

✖ 2. John said to me, "You are here to resolve this fight for you."

✔ 3. John said, "I am here to resolve this fight for you."

✖ 4. John said, "I was here to resolve this fight for you."

Question ID : **264330104631**
Status : **Answered**
Chosen Option : **3**

Q.9 Select the most appropriate synonym of the given word.

Tyranny

Ans ✔ 1. Autocracy

✖ 2. Compassion

✖ 3. Social

✖ 4. Discordance

Question ID : **26433072201**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.10 Select the most appropriate option to substitute the underlined segment in the given sentence.

Rearing of silk worms is called <u>horticulture</u>.

Ans ✗ 1. pisciculture

✗ 2. agriculture

✓ 3. sericulture

✗ 4. apiculture

Question ID : **26433088485**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the correct active form of the given sentence.
The memorial event is expected to be attended by thousands of people.

Ans ✗ 1. Thousands of people was expected to attend the memorial event.

✗ 2. Thousands of people are expected to attending the memorial event.

✗ 3. Thousands of people had expected to attending the memorial event.

✓ 4. Thousands of people are expected to attend the memorial event.

Question ID : **264330104583**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the INCORRECTLY spelt word in the following sentence.
Tyrany must be dead to attain harmony, tranquillity, and serenity.

Ans ✗ 1. tranquillity

✓ 2. tyrany

✗ 3. serenity

✗ 4. harmony

Question ID : **26433060814**
Status : **Answered**
Chosen Option : **2**

Q.13 Select the INCORRECTLY spelt word.

Ans ✗ 1. Movement

✓ 2. Kecthup

✗ 3. Precise

✗ 4. Flashy

Question ID : **26433063167**
Status : **Answered**
Chosen Option : **2**

Q.14 Select the most appropriate phrasal verb to fill in the blank.

The company's profits were low and they were forced to _____ staff.

Ans ✗ 1. lisp off

✓ 2. lay off

✗ 3. lay on

✗ 4. lie on

Question ID : **26433091843**
Status : **Answered**
Chosen Option : **2**

Q.15 The following sentence has been divided into parts. One of them may contain an error.
Select the part that contains the error from the given options. If you don't find any
error, mark 'No error' as your answer.

After seeing that Shreya / was in trouble, / Rahul quietly stepped up to help.

Ans ✗ 1. Rahul quietly stepped up to help

✗ 2. After seeing that Shreya

✗ 3. was in trouble

✓ 4. No error

Q.16 Select the most appropriate option that can substitute the underlined segment in the
given sentence. If there is no need to substitute it, select 'No substitution'.

Santa Claus stays at the North Pole when he isn't <u>out deliver</u> gifts for Christmas.

Ans ✗ 1. out to delivering

✓ 2. out delivering

✗ 3. No substitution

✗ 4. out of deliver

Q.17 Select the most appropriate ANTONYM of the given word.

Guilty

Ans ✗ 1. Remnant

✓ 2. Innocent

✗ 3. Nonchalant

✗ 4. Omnipotent

Q.18 Select the option that is similar in meaning to the underlined word.

The president's concern for the homeless people was <u>superficial</u> and ended as soon
as the media left the event.

Ans ✓ 1. Shallow

✗ 2. Derogatory

✗ 3. Regardless

✗ 4. Insubstantial

Q.19 Select the option that can be used as a one-word substitute for the given group of words.

A place where coins and medals are made.

Ans ✗ 1. Office

✓ 2. Mint

✗ 3. Mine

✗ 4. Barn

Question ID : **26433060106**
Status : **Answered**
Chosen Option : **2**

Q.20 Select the correct passive voice form for the given sentence.

My brother likes football.

Ans ✗ 1. Football was liked by my brother.

✗ 2. Football is like by my brother.

✗ 3. Football was like by my brother.

✓ 4. Football is liked by my brother.

Question ID : **26433088626**
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.

The monastery in Tawang has recently undergone (1)_____ and bright paintings (2)_____ it walls. Dances and ceremonial celebrations are held in the (3)_____ , the most important of which is held on the night of Buddha Purnima, the full moon on which the Buddha was born, (4)_____ enlightenment and died. To reach Tawang, you drive for 12 hours from Assam's Tezpur town, a major Indian Forces base. The best seasons the visitor can choose for coming to Tawang is (5)_____ September to November.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

Ans ✗ 1. innovation

✗ 2. depreciation

✗ 3. termination

✓ 4. renovation

Question ID : **26433073424**
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.

The monastery in Tawang has recently undergone (1)_____ and bright paintings (2)_____ it walls. Dances and ceremonial celebrations are held in the (3)_____ , the most important of which is held on the night of Buddha Purnima, the full moon on which the Buddha was born, (4)_____ enlightenment and died. To reach Tawang, you drive for 12 hours from Assam's Tezpur town, a major Indian Forces base. The best seasons the visitor can choose for coming to Tawang is (5)_____ September to November.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

Ans ✗ 1. expose

✗ 2. rectify

✗ 3. adore

✓ 4. adorn

Question ID : 26433073425
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.

The monastery in Tawang has recently undergone (1)_____ and bright paintings (2)_____ it walls. Dances and ceremonial celebrations are held in the (3)_____ , the most important of which is held on the night of Buddha Purnima, the full moon on which the Buddha was born, (4)_____ enlightenment and died. To reach Tawang, you drive for 12 hours from Assam's Tezpur town, a major Indian Forces base. The best seasons the visitor can choose for coming to Tawang is (5)_____ September to November.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

Ans ✓ 1. courtyard

✗ 2. churchyard

✗ 3. shipyard

✗ 4. junkyard

Question ID : 26433073426
Status : **Answered**
Chosen Option : **1**

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.

The monastery in Tawang has recently undergone (1)_____ and bright paintings (2)_____ it walls. Dances and ceremonial celebrations are held in the (3)_____ , the most important of which is held on the night of Buddha Purnima, the full moon on which the Buddha was born, (4)_____ enlightenment and died. To reach Tawang, you drive for 12 hours from Assam's Tezpur town, a major Indian Forces base. The best seasons the visitor can choose for coming to Tawang is (5)_____ September to November.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans ✓ 1. attained

✗ 2. displayed

✗ 3. transferred

✗ 4. received

Question ID : 26433073427
Status : **Answered**
Chosen Option : **1**

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.

The monastery in Tawang has recently undergone (1)_____ and bright paintings (2)_____ it walls. Dances and ceremonial celebrations are held in the (3)_____ , the most important of which is held on the night of Buddha Purnima, the full moon on which the Buddha was born, (4)_____ enlightenment and died. To reach Tawang, you drive for 12 hours from Assam's Tezpur town, a major Indian Forces base. The best seasons the visitor can choose for coming to Tawang is (5)_____ September to November.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans ✗ 1. about

✗ 2. beside

✅ 3. between

✗ 4. among

Question ID : **26433073428**
Status : **Answered**
Chosen Option : **1**