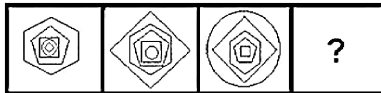


## Combined Graduate Level Examination 2021 Tier - I

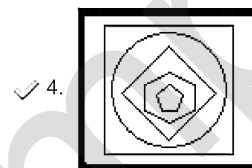
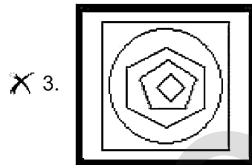
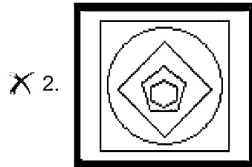
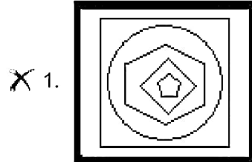
Roll Number	
Candidate Name	
Venue Name	
Exam Date	12/04/2022
Exam Time	9:00 AM - 10:00 AM
Subject	CGLE 2021 Tier I

### Section : General Intelligence and Reasoning

Q.1 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans



Question ID : 65497843392

Status : Answered

Chosen Option : 4

**Q.2** Select the option that is related to the third number in the same way as the second number is related to the first number.

52 : 91 :: 72 : ?

- Ans  1. 98  
 2. 126  
 3. 109  
 4. 138

Question ID : 65497844295  
Status : Answered  
Chosen Option : 2

**Q.3** If the signs '+' and '-' are interchanged, then which of the following equations can be correctly balanced?

- Ans  1.  $12 + 4 - 8 \div 3 = 11$   
 2.  $24 - 12 \div 6 + 3 = 20$   
 3.  $16 + 4 \times 8 \div 3 = 45$   
 4.  $22 + 11 \times 8 \div 3 = 19$

Question ID : 65497843289  
Status : Answered  
Chosen Option : 4

**Q.4** In a certain code language, 'your attention please' is written as 'puw cuw zuw', 'kind attention' is written as 'muw zuw', and 'please pay attention' is written as 'puw zuw ruw'. How will 'pay' be written in that language?

- Ans  1. puw  
 2. zuw  
 3. ruw  
 4. cuw

Question ID : 65497843581  
Status : Answered  
Chosen Option : 3

**Q.5** Select the option that is related to the third term in the same way as the second term is related to the first term.

FRONTIER : GSNOUHDS :: CLOSING : ?

- Ans  1. DMNTHOH  
 2. BMPTHOH  
 3. DMNRHLH  
 4. DKNTJOH

Question ID : 65497843477  
Status : Answered  
Chosen Option : 1

**Q.6** 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:**

All fruits are leaves.  
Some mangoes are rotten.  
All rotten are fruits.

**Conclusions:**

I. Some leaves are rotten.  
II. Some mangoes are fruits.  
III. All leaves are either rotten or mangoes.

- Ans**
- 1. All the conclusions follow
  - 2. Only conclusions II and III follow
  - 3. Only conclusion II follows
  - 4. Only conclusions I and II follow

Question ID : 65497843282  
Status : Answered  
Chosen Option : 4

**Q.7** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

C \_ B N \_ \_ V \_ \_ H C \_ B \_ H

- Ans**
- 1. VCBHNVN
  - 2. HVCNBVN
  - 3. VHCBNVN
  - 4. VHBNCHV

Question ID : 65497844589  
Status : Answered  
Chosen Option : 3

**Q.8** Select the number from among the given options that can replace the question mark (?) in the following series.

16, 35, ?, 217, 653, 1309

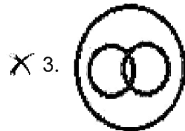
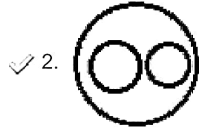
- Ans**
- 1. 72
  - 2. 128
  - 3. 77
  - 4. 107

Question ID : 65497843284  
Status : Answered  
Chosen Option : 4

**Q.9** Select the Venn diagram that best illustrates the relationship between the following classes.

Planets, Mars, Venus

**Ans**



Question ID : 65497843498

Status : Answered

Chosen Option : 2

**Q.10** Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans**
- 1. TVYCH
  - 2. NPSWB
  - 3. UWZBI
  - 4. ACFJO

Question ID : 65497843577

Status : Answered

Chosen Option : 3

**Q.11** Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

c x Y L R g b

- Ans**
- 1. d ρ Я 7 Y x c
  - 2. p ρ Я L Y x c
  - 3. ρ ρ Я L Y x c
  - 4. p ρ R L Y x c

Question ID : 65497843395

Status : Answered

Chosen Option : 2



**Q.12** 'A # B' means 'A is the father of B'.  
'A % B' means 'A is the mother of B'.  
'A @ B' means 'A is the sister of B'.  
'A & B' means 'A is the son of B'.  
If 'G # M # T % S @ H & R & W @ U', then which of the following statements is NOT correct?

- Ans**
- 1. G is the paternal grandfather of T.
  - 2. W is the maternal grandmother of H.
  - 3. R is the husband of T.
  - 4. M is the maternal grandfather of S.

Question ID : 65497843381  
Status : Answered  
Chosen Option : 2

**Q.13** Select the correct option that indicates the arrangement of the given course of actions in a logical and meaningful order.

1. Open email account
2. Compose email
3. Start computer
4. Enter email address
5. Write the content
6. Send the mail

- Ans**
- 1. 3, 1, 2, 4, 5, 6
  - 2. 2, 5, 1, 3, 4, 6
  - 3. 3, 2, 6, 1, 5, 4
  - 4. 3, 1, 2, 6, 5, 4

Question ID : 65497844627  
Status : Answered  
Chosen Option : 1

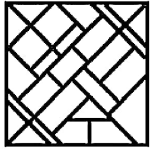
**Q.14** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

HDMS, OVVI, VNEY, CFNO, ?

- Ans**
- 1. JYWF
  - 2. JXWE
  - 3. KXWE
  - 4. JXXF

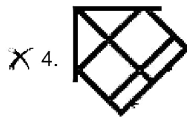
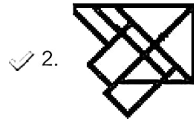
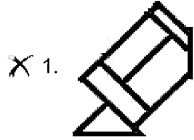
Question ID : 65497843272  
Status : Marked For Review  
Chosen Option : 2

Q.15 Select the option that is NOT embedded in the given figure (X) (rotation is NOT allowed).



(X)

Ans



Question ID : 65497843596  
Status : Marked For Review  
Chosen Option : 3

Q.16 A is 25 years younger than B. The age of B would be double the age of C after 15 years. The current age of B is three times the current age of C. What is the current age of A?

- Ans  1. 25 years  
 2. 20 years  
 3. 15 years  
 4. 30 years

Question ID : 65497843488  
Status : Answered  
Chosen Option : 2

Q.17 Eight north-facing restaurants named P, Q, R, S, T, U, V and W are located in a straight line. S is second to the left of T. W is third to the left of P. T is between P and V. S is third to the left of V. W is to the immediate right of U. R is third to the right of P. Who is sitting fourth to the right of S?

- Ans  1. U  
 2. W  
 3. R  
 4. V

Question ID : 65497843382  
Status : Marked For Review  
Chosen Option : 3

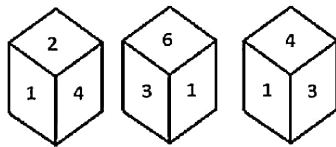
**Q.18** Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

11 15 9  
14 16 ?  
75 31 88

- Ans**
- 1. 13
  - 2. 22
  - 3. 18
  - 4. 25

Question ID : 65497843590  
Status : Answered  
Chosen Option : 1

**Q.19** Three different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the face having the number '5'.



- Ans**
- 1. 3
  - 2. 1
  - 3. 6
  - 4. 2

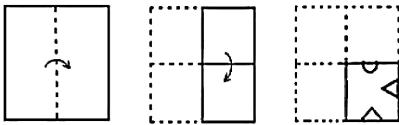
Question ID : 65497843292  
Status : Answered  
Chosen Option : 2

**Q.20** Srinija walked 9 km towards the west from her home, then turned towards the south and walked 11 km. Then she walked 13 km towards the east, and finally walked 4 km towards the west. How far is Srinija from her initial position?

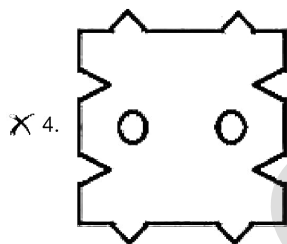
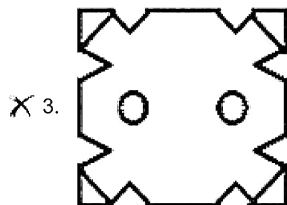
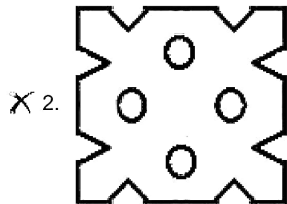
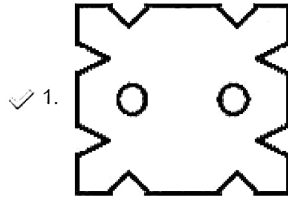
- Ans**
- 1. 11 km
  - 2. 15 km
  - 3. 13 km
  - 4. 10 km

Question ID : 65497844300  
Status : Answered  
Chosen Option : 1

**Q.21** The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans



Question ID : 65497844305  
 Status : Answered  
 Chosen Option : 1

**Q.22** Select the number from among the given options that can replace the question mark (?) in the following series.

62, 74, 80, 86, 95, ?, 158

- Ans
- ✗ 1. 100
  - ✗ 2. 108
  - ✗ 3. 122
  - ✓ 4. 113

Question ID : 65497843586  
 Status : Not Answered  
 Chosen Option : --

**Q.23** In a code language, SOUP is written as TNVO. How will BOWL be written in that language?

- Ans**
- 1. CPVM
  - 2. ANVK
  - 3. APVM
  - 4. CNXK

Question ID : 65497844586  
Status : Answered  
Chosen Option : 4

**Q.24** If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression?

46 C (6 A 7) B 5 A 24 D 6 B (27 D (9 D 3))

- Ans**
- 1. 21
  - 2. 17
  - 3. 39
  - 4. 65

Question ID : 65497843389  
Status : Marked For Review  
Chosen Option : 2

**Q.25** In a code language, if PEN is written as 17717, then how will CAP be written in the same language?

- Ans**
- 1. 4319
  - 2. 2320
  - 3. 4219
  - 4. 2319

Question ID : 65497844287  
Status : Answered  
Chosen Option : 1

Section : General Awareness

**Q.1** The Nobel Prize in Literature 2020 was awarded to \_\_\_\_\_.

- Ans**
- 1. Olga Tokarczuk
  - 2. Kazuo Ishiguro
  - 3. Louise Glück
  - 4. Peter Handke

Question ID : 65497844325  
Status : Marked For Review  
Chosen Option : 4

**Q.2 Who among the following was elected as the President of the Asian Cricket Council (ACC) in January 2021?**

- Ans**
- 1. Sachin Tendulkar
  - 2. Sourav Ganguly
  - 3. Anurag Thakur
  - 4. Jay Shah

Question ID : 65497843415  
Status : **Marked For Review**  
Chosen Option : 4

**Q.3 Which of the following is NOT a part of a flower?**

- Ans**
- 1. Stamen
  - 2. Petiole
  - 3. Sepal
  - 4. Pistil

Question ID : 65497843302  
Status : **Answered**  
Chosen Option : 2

**Q.4 As a part of Mission Sagar-IV, Indian Naval Ship Jalashwa arrived at Port Anjouan, Comoros on 14 March 2021 to deliver 1,000 metric tonnes of:**

- Ans**
- 1. rice
  - 2. tea
  - 3. sugar
  - 4. wheat

Question ID : 65497843518  
Status : **Marked For Review**  
Chosen Option : 1

**Q.5 Which of the following diseases CANNOT be prevented by vaccination?**

- Ans**
- 1. Rabies
  - 2. Beri beri
  - 3. Typhoid
  - 4. Measles

Question ID : 65497843407  
Status : **Answered**  
Chosen Option : 2

**Q.6 Which law of Newton provides a quantitative definition of force?**

- Ans**
- 1. Universal law of gravitation
  - 2. Second law of motion
  - 3. First law of motion
  - 4. Third law of motion

Question ID : 65497843606  
Status : **Answered**  
Chosen Option : 2

**Q.7** The foul smell from a body specially during a sultry summer is due to the action of \_\_\_\_\_ on sweat.

- Ans**
- 1. melanin
  - 2. moisture
  - 3. bacteria
  - 4. virus

Question ID : 65497843509  
Status : Answered  
Chosen Option : 3

**Q.8** Who among the following first argued that in the face of high deficits, people save more?

- Ans**
- 1. Amartya Sen
  - 2. Esther Duflo
  - 3. Adam Smith
  - 4. David Ricardo

Question ID : 65497844309  
Status : Not Answered  
Chosen Option : --

**Q.9** Which of the following Harappan sites is in Haryana?

- Ans**
- 1. Kalibangan
  - 2. Lothal
  - 3. Rakhigarhi
  - 4. Dholavira

Question ID : 65497844323  
Status : Marked For Review  
Chosen Option : 3

**Q.10** The value of the Gross Domestic Product (GDP) of India is published by PIB in \_\_\_\_\_.

- Ans**
- 1. US Dollar
  - 2. Yen
  - 3. Yuan
  - 4. Indian Rupee

Question ID : 65497843502  
Status : Marked For Review  
Chosen Option : 1

**Q.11** Approximately how much percentage (nearest to integer) of total water on the surface of earth is accounted for by the oceans?

- Ans**  1. 96  
 2. 97  
 3. 94  
 4. 92

Question ID : 65497843409  
Status : **Marked For Review**  
Chosen Option : 1

**Q.12** As per the Union Budget of 2021-22, how many textile parks are to be set up in 3 years?

- Ans**  1. Eight  
 2. Six  
 3. Five  
 4. Seven

Question ID : 65497843402  
Status : **Marked For Review**  
Chosen Option : 4

**Q.13** Ozone is an allotrope of \_\_\_\_\_.

- Ans**  1. carbon dioxide  
 2. oxygen  
 3. hydrogen  
 4. nitrogen

Question ID : 65497844314  
Status : **Answered**  
Chosen Option : 2

**Q.14** Who among the following athletes was appointed as the Deputy Superintendent of Police by the Assam Government in February 2021?

- Ans**  1. Deepika Kumari  
 2. Ekta Bhyan  
 3. Dutee Chand  
 4. Hima Das

Question ID : 65497843320  
Status : **Answered**  
Chosen Option : 4



**Q.15 Which of the following cities won the hosting rights of the 2030 Asian Games in December 2020?**

- Ans**
- 1. Jakarta
  - 2. Doha
  - 3. Seoul
  - 4. Shanghai

Question ID : 65497843523  
Status : Not Answered  
Chosen Option : --

**Q.16 The Deomali is the highest mountain peak of \_\_\_\_\_.**

- Ans**
- 1. Assam
  - 2. West Bengal
  - 3. Bihar
  - 4. Odisha

Question ID : 65497843613  
Status : Marked For Review  
Chosen Option : 1

**Q.17 Who among the following was a ruler of the Rashtrakuta dynasty?**

- Ans**
- 1. Kanishka
  - 2. Samudragupta
  - 3. Dhruva
  - 4. Ashoka

Question ID : 65497843614  
Status : Answered  
Chosen Option : 3

**Q.18 Which of the following is a UNESCO recognised dance form?**

- Ans**
- 1. Bhangra
  - 2. Dalkhai
  - 3. Kalbelia
  - 4. Giddha

Question ID : 65497843600  
Status : Marked For Review  
Chosen Option : 3

**Q.19 Which of the following environment events is observed by switching off all lights at homes, business establishments, landmarks and so on for an hour?**

- Ans**
- 1. World Environment Day
  - 2. Earth Hour
  - 3. Earth Charter
  - 4. Earth Day

Question ID : 65497843507  
Status : Marked For Review  
Chosen Option : 4

**Q.20** Which of the following Amendments of the Constitution of India declared that the Parliament has the power to abridge or take away any of the Fundamental Rights under Article 368 and such an Act, will NOT be a law under the meaning of Article 13?

- Ans
- 1. Twenty-third Amendment
  - 2. Twentieth Amendment
  - 3. Twenty-fourth Amendment
  - 4. Twenty-eighth Amendment

Question ID : 65497843419  
Status : Not Answered  
Chosen Option : --

**Q.21** Me-Dum-Me-Phi is an ancestor-worship festival celebrated in the state of \_\_\_\_\_.

- Ans
- 1. Madhya Pradesh
  - 2. Himachal Pradesh
  - 3. Assam
  - 4. Goa

Question ID : 65497843298  
Status : Marked For Review  
Chosen Option : 3

**Q.22** Which of the following crops is described as – ‘It is a crop which is used both as food and fodder. It is a Kharif crop that requires temperature between 21°C to 27°C and grows well in old alluvial soil’?

- Ans
- 1. Sesamum
  - 2. Maize
  - 3. Bajra
  - 4. Ragi

Question ID : 65497843309  
Status : Marked For Review  
Chosen Option : 2

**Q.23** Who among the following presidents of India gave assent to the 100th Amendment of the Constitution of India?

- Ans
- 1. Pranab Mukherjee
  - 2. Ram Nath Kovind
  - 3. APJ Abdul Kalam
  - 4. Pratibha Devisingh Patil

Question ID : 65497844327  
Status : Marked For Review  
Chosen Option : 1

**Q.24** During the rule of which of the following dynasties did Timur or Tamerlane invade India in 1398 AD?

- Ans**
- 1. The Slave dynasty
  - 2. The Sayyad dynasty
  - 3. The Tughlaq dynasty
  - 4. The Khilji dynasty

Question ID : 65497843312  
Status : **Marked For Review**  
Chosen Option : 3

**Q.25** The Government of National Capital Territory of Delhi (Amendment) Bill, 2021, which was passed in March 2021 amended the Government of National Capital Territory of Delhi Act, \_\_\_\_\_.

- Ans**
- 1. 1998
  - 2. 1994
  - 3. 1996
  - 4. 1991

Question ID : 65497843622  
Status : **Answered**  
Chosen Option : 4

Section : **Quantitative Aptitude**

**Q.1** Find the value of  $70^3 + 20^3 - 90^3$ .

- Ans**
- 1. 0
  - 2. 378000
  - 3. -378000
  - 4. -300000

Question ID : 65497843435  
Status : **Answered**  
Chosen Option : 3

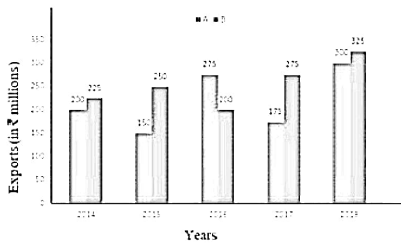
**Q.2** On simple interest, a certain sum becomes ₹59,200 in 6 years and ₹72,000 in 10 years. If the rate of interest had been 2% more, then in how many years would the sum have become ₹76,000?

- Ans**
- 1. 10
  - 2. 9
  - 3. 8
  - 4. 7

Question ID : 65497843633  
Status : **Answered**  
Chosen Option : 2

**Q.3** The given bar graph shows exports of cars of type A and B (in ₹ millions) from 2014 to 2018. Study the graph and answer the question that follows.

Study the graph and answer the question that follows.



What is the ratio of the total exports of cars of type A in 2014 and 2018 to the total exports of cars of type B in 2015 and 2017?

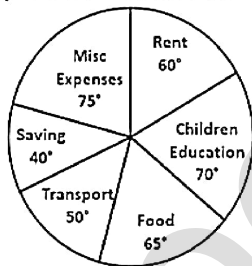
- Ans**
- 1. 20 : 21
  - 2. 10 : 9
  - 3. 5 : 4
  - 4. 13 : 12

Question ID : 65497842739  
 Status : Answered  
 Chosen Option : 1

**Q.4** Monthly expenditure of a family on different heads is shown in the following pie chart.

What is the percentage of family earnings spent on rent?

**Expenditure on different Heads**



- Ans**
- 1.  $15\frac{3}{4}$
  - 2.  $16\frac{2}{3}$
  - 3.  $16\frac{1}{3}$
  - 4. 15

Question ID : 65497843546  
 Status : Answered  
 Chosen Option : 2

**Q.5** The difference between the two perpendicular sides of a right-angled triangle is 17 cm and its area is  $84 \text{ cm}^2$ . What is the perimeter (in cm) of the triangle?

- Ans**
- 1. 40
  - 2. 49
  - 3. 36
  - 4. 56

Question ID : **65497843440**  
Status : **Answered**  
Chosen Option : **4**

**Q.6** Find the value of the following expression:

$$\frac{5 - 35 \div 5 \times 15 + 5}{12 - 2}$$

- Ans**
- 1. - 9.5
  - 2. - 13.5
  - 3. - 2.5
  - 4. 11.5

Question ID : **65497843526**  
Status : **Marked For Review**  
Chosen Option : **1**

**Q.7** The average of 9 consecutive numbers is 20. The smallest of these numbers is:

- Ans**
- 1. 10
  - 2. 20
  - 3. 16
  - 4. 12

Question ID : **65497844647**  
Status : **Answered**  
Chosen Option : **3**

**Q.8** The price of petrol shot up by 5%. Before the hike, the price was ₹82 per litre. A man travels 3045 km every month and his car gives a mileage of 15 km per litre. What is the increase in the monthly expenditure (to the nearest ₹) on the man's travel due to the hike in the petrol prices?

- Ans**
- 1. 832
  - 2. 859
  - 3. 758
  - 4. 944

Question ID : **65497843327**  
Status : **Answered**  
Chosen Option : **1**

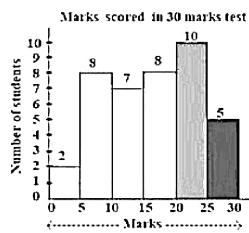
**Q.9** A trader sells an article for ₹425 and loses 15%. At what price (in ₹) should he sell the article to earn 5% profit?

- Ans**
- 1. 505
  - 2. 510
  - 3. 445
  - 4. 525

Question ID : 65497843429  
Status : Answered  
Chosen Option : 4

**Q.10** The following histogram shows the marks scored by 40 students in a test of 30 marks. A student has to score a minimum of 10 marks to pass the test.

How many students have scored less than two-third of the total marks?



- Ans**
- 1. 35
  - 2. 17
  - 3. 25
  - 4. 32

Question ID : 65497843649  
Status : Answered  
Chosen Option : 3

**Q.11** A, B and C can do a work in 8, 10 and 12 days, respectively. After completing the work together, they received ₹5,550. What is the share of B (in ₹) in the amount received?

- Ans**
- 1. 1,500
  - 2. 1,850
  - 3. 1,800
  - 4. 1,696

Question ID : 65497843432  
Status : Marked For Review  
Chosen Option : 3

**Q.12** What is the difference in the volume (in  $\text{cm}^3$ ) of a sphere of radius 7 cm and that of a cone of radius 7 cm and height 10 cm? (Use  $\pi = \frac{22}{7}$ )

- Ans**
- 1. 205
  - 2. 704
  - 3. 924
  - 4. 1078

Question ID : 65497844645  
Status : Answered  
Chosen Option : 3

**Q.13** If  $3 \sec^2 \theta + \tan \theta - 7 = 0, 0^\circ < \theta < 90^\circ$ , then what is the value of  $\left(\frac{2 \sin \theta + 3 \cos \theta}{\operatorname{cosec} \theta + \sec \theta}\right)$ ?

- Ans**
- 1. 10
  - 2.  $\frac{5}{2}$
  - 3.  $\frac{5}{4}$
  - 4.  $4\sqrt{2}$

Question ID : 65497844350  
Status : Marked For Review  
Chosen Option : 3

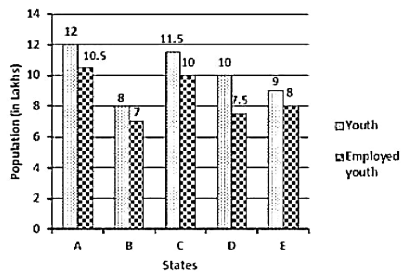
**Q.14** The bisector of  $\angle B$  in  $\triangle ABC$  meets  $AC$  at  $D$ . If  $AB = 12$  cm,  $BC = 18$  cm and  $AC = 15$  cm, then the length of  $AD$  (in cm) is:

- Ans**
- 1. 6
  - 2. 5
  - 3. 12
  - 4. 9

Question ID : 65497844348  
Status : Answered  
Chosen Option : 1

**Q.15** The following bar graph shows the total number of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A, B, C, D and E.

What is the ratio of the number of youth in states A, C and E taken together to the number of employed youth in states B, C and D taken together?



- Ans**
- 1. 65 : 59
  - 2. 65 : 49
  - 3. 8 : 7
  - 4. 57 : 49

Question ID : 65497844050  
 Status : Answered  
 Chosen Option : 2

**Q.16** A tangent is drawn from a point P to a circle, which meets the circle at T such that  $PT = 10.5$  cm. A secant PAB intersects the circle in points A and B. If  $PA = 7$  cm, what is the length (in cm) of the chord AB?

- Ans**
- 1. 8.5
  - 2. 8.75
  - 3. 7.75
  - 4. 8.45

Question ID : 65497843639  
 Status : Answered  
 Chosen Option : 2

**Q.17** What is the remainder when the product of 335, 608 and 853 is divided by 13?

- Ans**
- 1. 11
  - 2. 12
  - 3. 6
  - 4. 7

Question ID : 65497843322  
 Status : Answered  
 Chosen Option : 4



**Q.18** The marked price of an article is ₹625. After allowing a discount of 32% on the marked price, there was a profit of ₹25.  
The profit percentage (correct to the nearest integer) is:

- Ans**
- 1. 5%
  - 2. 4%
  - 3. 6%
  - 4. 7%

Question ID : 65497844336  
Status : Answered  
Chosen Option : 3

**Q.19** At present, A is younger than B by 8 years. If 4 years ago, their ages were in the ratio 1 : 2, then what is the present age of B (in years)?

- Ans**
- 1. 11
  - 2. 20
  - 3. 12
  - 4. 18

Question ID : 65497844339  
Status : Answered  
Chosen Option : 2

**Q.20** Which is the smallest multiple of 7, which leaves 5 as remainder in each case, when divided by 8, 9, 12 and 15?

- Ans**
- 1. 365
  - 2. 1085
  - 3. 2525
  - 4. 725

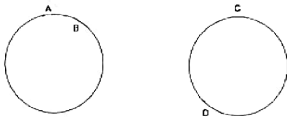
Question ID : 65497843525  
Status : Answered  
Chosen Option : 3

**Q.21** The ratio of the speeds of two trains is 2 : 7. If the first train runs 250 km in 5 hours, then the sum of the speeds (in km/h) of both the trains is:

- Ans**
- 1. 250
  - 2. 175
  - 3. 150
  - 4. 225

Question ID : 65497844342  
Status : Answered  
Chosen Option : 4

**Q.22** Two common tangents AC and BD touch two equal circles each of radius 7 cm, at points A, C, B and D, respectively, as shown in the figure. If the length of BD is 48 cm, what is the length of AC?



- Ans
- 1. 40 cm
  - 2. 30 cm
  - 3. 50 cm
  - 4. 48 cm

Question ID : 65497843337  
Status : Answered  
Chosen Option : 3

**Q.23** If  $x + y + z = 11$ ,  $xy + yz + zx = -6$ , and  $x^3 + y^3 + z^3 = 1604$ , then the value of  $xyz$  is:

- Ans
- 1. 25
  - 2. 4
  - 3. 1
  - 4. 5

Question ID : 65497844345  
Status : Answered  
Chosen Option : 1

**Q.24** If  $\cot B = \frac{12}{5}$ , what is the value of  $\sec B$ ?

- Ans
- 1.  $\frac{5}{12}$
  - 2.  $\frac{13}{12}$
  - 3.  $\frac{13}{5}$
  - 4.  $\frac{12}{13}$

Question ID : 65497843442  
Status : Answered  
Chosen Option : 2

**Q.25** A vertical pole and a vertical tower are on the same level ground in such a way that, from the top of the pole, the angle of elevation of the top of the tower is  $60^\circ$  and the angle of depression of the bottom of the tower is  $30^\circ$ . If the height of the pole is 24 m, then find the height of the tower (in m).

- Ans**
- 1.  $24\sqrt{3}(\sqrt{3} + 1)$
  - 2. 72
  - 3. 96
  - 4.  $24(\sqrt{3} + 1)$

Question ID : 65497843544  
Status : Answered  
Chosen Option : 2

Section : English Comprehension

**Q.1** Select the INCORRECTLY spelt word.

- Ans**
- 1. Progress
  - 2. Mystery
  - 3. Pilgrim
  - 4. Symtoms

Question ID : 65497844381  
Status : Answered  
Chosen Option : 4

**Q.2** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

**My older brother, / which you'll / meet later, / is a dentist.**

- Ans**
- 1. My older brother
  - 2. which you'll
  - 3. meet later
  - 4. is a dentist

Question ID : 65497842641  
Status : Answered  
Chosen Option : 2

**Q.3** Select the most appropriate ANTONYM of the given word.

**Rely**

- Ans**
- 1. Move
  - 2. Distrust
  - 3. Await
  - 4. Depend

Question ID : 65497843669  
Status : Answered  
Chosen Option : 2

**Q.4** Select the most appropriate meaning of the given idiom.

**To take after**

- Ans**  1. To chase someone  
 2. To be similar in appearance  
 3. To mock someone  
 4. To change sides often

Question ID : 65497843367  
Status : Answered  
Chosen Option : 2

**Q.5** Select the option that expresses the given sentence in active voice.

**Hatred can be overcome by love.**

- Ans**  1. Love can overcome hatred.  
 2. Love has overcome hatred.  
 3. Love is overcoming hatred.  
 4. Love can overcome hatred.

Question ID : 65497843553  
Status : Answered  
Chosen Option : 1

**Q.6** Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A.** However, when areas in Leh began to experience water shortages, life didn't grind to a halt.  
**B.** Ladakh is a cold desert with a low average annual rainfall.  
**C.** Thus, glaciers have been the main source of water for the people.  
**D.** This was because Chewang Norphel, a retired civil engineer came up with the idea of artificial glaciers.

- Ans**  1. CBDA  
 2. BCAD  
 3. DABC  
 4. BCDA

Question ID : 65497843564  
Status : Answered  
Chosen Option : 2

**Q.7** Select the most appropriate meaning of the given idiom.

**Foul play**

- Ans**  1. Unfair or dishonest behaviour  
 2. A bad smelling theatre or playground  
 3. Unpleasant weather for playing  
 4. A drama which is badly produced

Question ID : 65497843671  
Status : Answered  
Chosen Option : 1

**Q.8** Select the option that can be used as a one-word substitute for the given group of words.

**Formally put an end to a system, practice, or institution**

- Ans**
- 1. Stop
  - 2. Destroy
  - 3. Kill
  - 4. Abolish

Question ID : 65497844379  
Status : Answered  
Chosen Option : 4

**Q.9** The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

**He was / late / for school / and punished.**

- Ans**
- 1. for school
  - 2. late
  - 3. He was
  - 4. and punished

Question ID : 65497844359  
Status : Marked For Review  
Chosen Option : 1

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

**She hardly works on weekends, \_\_\_\_\_?**

- Ans**
- 1. doesn't she
  - 2. is she
  - 3. does she
  - 4. isn't she

Question ID : 65497843473  
Status : Marked For Review  
Chosen Option : 1

**Q.11** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

**I wish I were listening to my parents.**

- Ans**
- 1. am listening
  - 2. have listened
  - 3. No substitution required
  - 4. had listened

Question ID : 65497843360  
Status : Answered  
Chosen Option : 4

**Q.12** Select the option that expresses the given sentence in reported speech.

**Mother said, "Abhinav slipped while trying to board a bus."**

- Ans**
- 1. Mother told that Abhinav slipped while trying to board a bus.
  - 2. Mother said that Abhinav slipped while trying to board a bus.
  - 3. Mother says that Abhinav slipped while trying to board a bus.
  - 4. Mother said that Abhinav had slipped while trying to board a bus.

Question ID : 65497843662  
Status : Answered  
Chosen Option : 4

**Q.13** Select the most appropriate synonym of the given word.

**DUO**

- Ans**
- 1. Bond
  - 2. Pair
  - 3. Loan
  - 4. Debt

Question ID : 65497843565  
Status : Answered  
Chosen Option : 2

**Q.14** 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.

**It was a surprising / to receive the gift/ from my brother.**

- Ans**
- 1. No error
  - 2. It was a surprising
  - 3. from my brother
  - 4. to receive the gift

Question ID : 65497843563  
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.

**The fisheries sector / have grown significantly / in the last one year.**

- Ans**
- 1. have grown significantly
  - 2. in the last one year
  - 3. No error
  - 4. The fisheries sector

Question ID : 65497844055  
Status : Marked For Review  
Chosen Option : 1

**Q.16** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

**My house / is more / spacious than / my sister.**

- Ans**
- 1. is more
  - 2. My house
  - 3. my sister
  - 4. spacious than

Question ID : 65497843653  
Status : Answered  
Chosen Option : 3

**Q.17** Select the option that expresses the given sentence in passive voice.

**Do you trust me?**

- Ans**
- 1. Am I trusted by you?
  - 2. Do I am trusted by you?
  - 3. Do I was trusted by you?
  - 4. I am trusted by you.

Question ID : 65497844362  
Status : Answered  
Chosen Option : 1

**Q.18** Select the most appropriate synonym of the given word.

**Paranoid**

- Ans**
- 1. Convinced
  - 2. Trustful
  - 3. Committed
  - 4. Distrustful

Question ID : 65497844374  
Status : Marked For Review  
Chosen Option : 4

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

**Indifferent to pleasure and pain**

- Ans**
- 1. Cynic
  - 2. Stoic
  - 3. Prudent
  - 4. Lusty

Question ID : 65497843471  
Status : Answered  
Chosen Option : 2

**Q.20** Select the most appropriate **ANTONYM** of the given word.

**Appal**

- Ans**  1. Alarm  
 2. Assure  
 3. Amaze  
 4. Astound

Question ID : 65497843365  
Status : **Marked For Review**  
Chosen Option : 2

**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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 21**

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

- Ans**  1. maximum  
 2. utmost  
 3. most  
 4. main

Question ID : 65497843455  
Status : **Answered**  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 22**

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

- Ans**  1. from  
 2. of  
 3. by  
 4. at

Question ID : 65497843456  
Status : **Answered**  
Chosen Option : 2



**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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 23**

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

- Ans  1. mostly  
 2. commonly  
 3. cyclically  
 4. constantly

Question ID : 65497843457  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 24**

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

- Ans  1. long  
 2. lengthy  
 3. longer  
 4. longest

Question ID : 65497843458  
Status : Answered  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 25**

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

- Ans  1. fatal  
 2. mortal  
 3. poisonous  
 4. toxic

Question ID : 65497843459  
Status : Answered  
Chosen Option : 4



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