

## Combined Graduate Level Examination 2021 Tier - I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	19/04/2022
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE 2021 Tier I

### Section : General Intelligence and Reasoning

**Q.1** Three years ago, the difference between the age of Ravish and the age of Kailash was 18 years. Three years from today, Ravish will be three times as old as Kailash. What is the present age of Ravish (in years)?

Ans  1. 24

2. 21

3. 27

4. 18

Question ID : 65497841973  
Status : Answered  
Chosen Option : 2

**Q.2** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

14 21 165  
13 19 ?  
10 17 99

Ans  1. 156

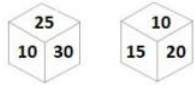
2. 140

3. 120

4. 175

Question ID : 65497843287  
Status : Not Answered  
Chosen Option : --

**Q.3** Six numbers, 5, 10, 15, 20, 25 and 30, are written on different faces of a dice. Two positions of this dice are shown.  
Select the number that will be on the face opposite to the face having the number '15'.



- Ans**
- 1. 10
  - 2. 30
  - 3. 20
  - 4. 5

Question ID : 65497842181  
Status : Answered  
Chosen Option : 2

**Q.4** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BEC, CID, FOG, KUL, ?

- Ans**
- 1. BAY
  - 2. RAS
  - 3. QOR
  - 4. RAR

Question ID : 65497842774  
Status : Answered  
Chosen Option : 2

**Q.5** Niraj is the father of Rinku. Jiya and Tiya are the daughters of Ruby, who is the only sister of Rinku. Vishnu is the son of Rinku and Gita. How is Niraj related to Tiya?

- Ans**
- 1. Maternal grandfather
  - 2. Paternal uncle
  - 3. Paternal grandfather
  - 4. Maternal uncle

Question ID : 65497842371  
Status : Answered  
Chosen Option : 1

Q.6 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 65497843293  
Status : Answered  
Chosen Option : 1

Q.7 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LGS : PLY :: MKB : ?

Ans

✓ 1. QPH

✗ 2. QOF

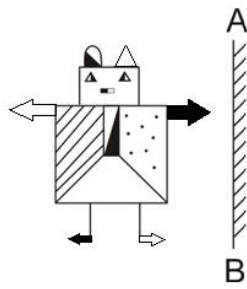
✗ 3. RQG

✗ 4. PQG

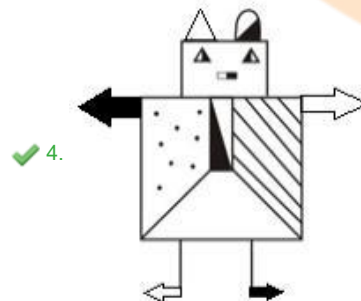
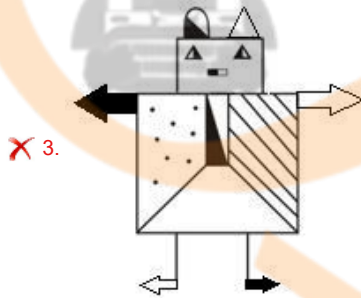
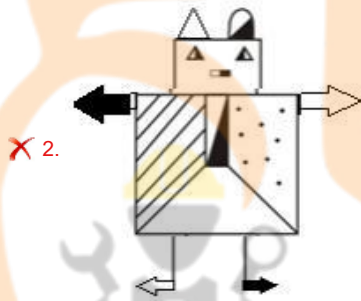
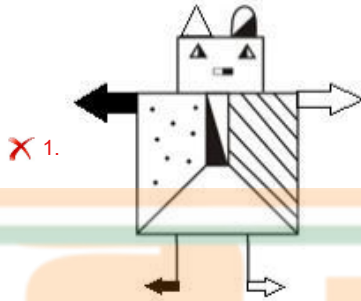
INDIA

Question ID : 65497841962  
Status : Answered  
Chosen Option : 1

Q.8 Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.



Ans



INDIA

Question ID : 65497842385

Status : Answered

Chosen Option : 4

**Q.9** In a certain code language, 'she needs some medicines' is written as '1542', 'take some water' is written as '849', 'he needs rest' is written as '713', and 'she is water' is written as '269'. How will 'take medicines' be written in that language?

- Ans**
- 1. 45
  - 2. 92
  - 3. 85
  - 4. 81

Question ID : **65497843278**  
Status : **Answered**  
Chosen Option : **3**

**Q.10** 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 rabbits are cows.  
Some rabbits are cats.

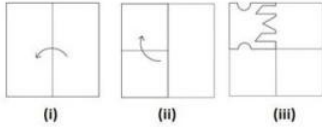
**Conclusions:**

I. All cats are rabbits.  
II. Some cows are rabbits.

- Ans**
- 1. Only conclusion I follows.
  - 2. Both the conclusions follow.
  - 3. Only conclusion II follows.
  - 4. Either conclusion I or II follows.

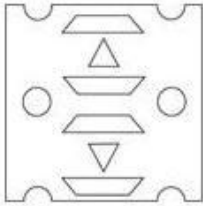
Question ID : **65497842171**  
Status : **Answered**  
Chosen Option : **3**

**Q.11** The sequence of folding a piece of paper (figures i and ii) and the manner in which the folded paper has been cut (figure iii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure (iii).

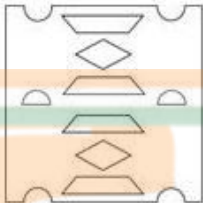


**Ans**

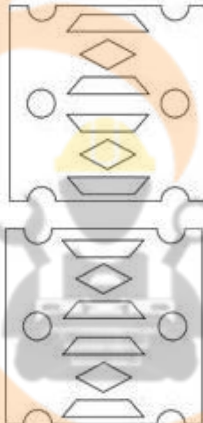
✗ 1.



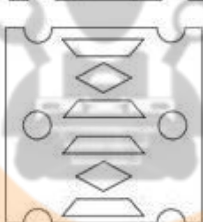
✗ 2.



✓ 3.



✗ 4.



Question ID : 65497842285  
 Status : Answered  
 Chosen Option : 3

**Q.12** Select the option that is related to the third number in the same way as the second number is related to the first number.

3824 : 4935 :: 5716 : ?

✗ 1. 6782

✓ 2. 6827

✗ 3. 6087

✗ 4. 6287

Question ID : 65497842275  
 Status : Answered  
 Chosen Option : 2

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

1. Recording
2. Rehearsal
3. Viewers
4. Script
5. Video Editing

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

Question ID : 65497843071  
Status : Answered  
Chosen Option : 2

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

9, 38, 154, 618, ?

- Ans  1. 928  
 2. 2474  
 3. 1268  
 4. 735

Question ID : 65497842173  
Status : Answered  
Chosen Option : 2

**Q.15** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

LJV, NMR, PPN, RSJ, ?

- Ans  1. SUG  
 2. SWK  
 3. TVN  
 4. TVF

Question ID : 65497842161  
Status : Answered  
Chosen Option : 4

**Q.16** Which two signs need to be interchanged to make the following equation correct?

$$45 \div 15 \times 5 + 15 - 11 = 39$$

- Ans  1. - and  $\times$   
 2. - and +  
 3. + and  $\times$   
 4.  $\div$  and +

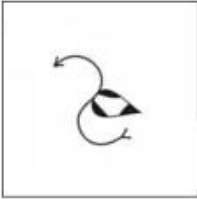
Question ID : 65497842379  
Status : Answered  
Chosen Option : 4

Q.17 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 : 65497842382

Status : Answered

Chosen Option : 3

Q.18 Six children, G, H, I, J, K, and L, are sitting around a circular table facing towards the centre. J and K are sitting to the immediate left and right of G, respectively. L is sitting to the immediate left of J, but not to the immediate right of H. Who is sitting to the immediate right of K?

Ans ✗ 1. J

✓ 2. H

✗ 3. L

✗ 4. I

Question ID : 65497842372

Status : Answered

Chosen Option : 2



Q.19 In a certain code language, 'COLOUR' is written as 'FQOQXT' and 'VIOLET' is written as 'YKRNVH'. How will 'PURPLE' be written in that language?

- Ans
- 1. SXUSOG
  - 2. RWUSPH
  - 3. SWUROG
  - 4. RXWSOH

Question ID : 65497842771  
Status : Answered  
Chosen Option : 3

Q.20 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.

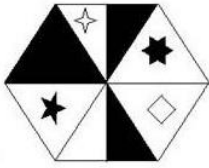
- Ans
- 1. HAUPL
  - 2. YRLGC
  - 3. GZTNK
  - 4. ATNIE

Question ID : 65497843274  
Status : Answered  
Chosen Option : 3



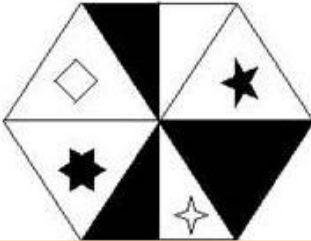
INDIA

**Q.21** Which of the option figures, when rotated  $135^\circ$  clockwise followed by  $45^\circ$  anticlockwise, will result in the given question figure?

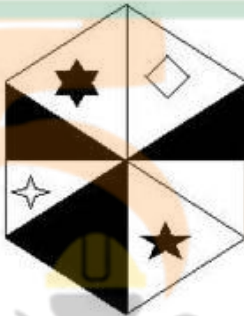


**Ans**

✗ 1.



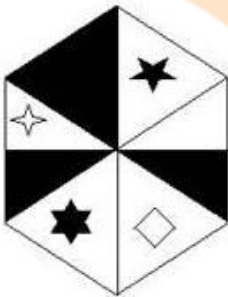
✓ 2.



✗ 3.



✗ 4.



Question ID : 65497842280  
Status : Answered  
Chosen Option : 3

Q.22 In a certain code language, 'LILY' is coded as 116, and 'LOTUS' is coded as 174. How will 'TULIP' be coded in that language?

- Ans
- 1. 126
  - 2. 78
  - 3. 156
  - 4. 168

Question ID : 65497842267  
Status : Marked For Review  
Chosen Option : 3

Q.23 If '@' means 'addition', '%' means 'multiplication', '\$' means 'division', and '#' means 'subtraction', then find the value of the following expression.

9 @ 114 \$ 19 % 5 # 21

- Ans
- 1. 32
  - 2. 18
  - 3. 26
  - 4. 20

Question ID : 65497842178  
Status : Answered  
Chosen Option : 2

Q.24 Select the number from among the given options that can replace the question mark (?) in the following series.

35, 54, 77, 106, 137, ?

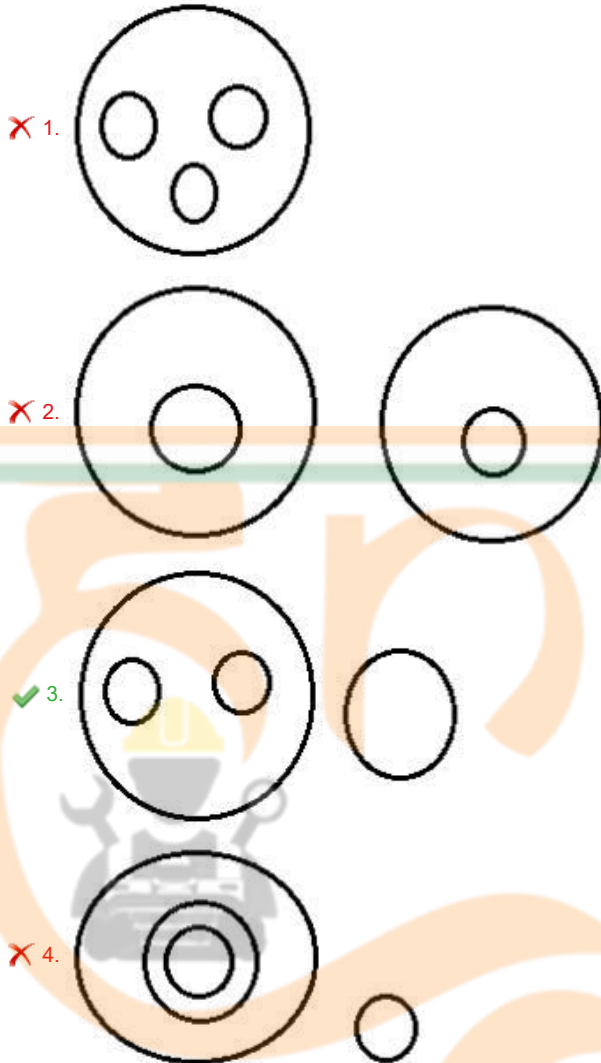
- Ans
- 1. 179
  - 2. 151
  - 3. 170
  - 4. 174

Question ID : 65497843283  
Status : Marked For Review  
Chosen Option : 4

Q.25 Select the Venn diagram that best represents the relationship between the following.

Living organisms, Omnivores, Deer, Planet

Ans



Question ID : 65497841983  
Status : Answered  
Chosen Option : 3

Section : General Awareness

Q.1 Who among the following leaders of Indian Freedom Movement gave the slogan 'Freedom is my birthright and I shall have it'?

- Ans
- ✗ 1. Subhash Chandra Bose
  - ✓ 2. Bal Gangadhar Tilak
  - ✗ 3. Gopalkrishna Gokhale
  - ✗ 4. Lala Lajpat Rai

Question ID : 65497842303  
Status : Answered  
Chosen Option : 2

Q.2 Mountaineers refer to altitudes above about \_\_\_\_\_ metres as the 'death zone'.

- Ans
- 1. 5,800
  - 2. 8,000
  - 3. 6,700
  - 4. 7,200

Question ID : 65497842198  
Status : Marked For Review  
Chosen Option : 4

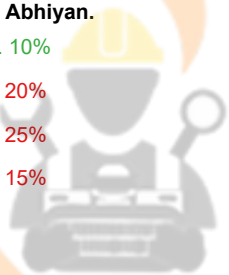
Q.3 Organisms belonging to the phylum \_\_\_\_\_ are also called 'flatworms'.

- Ans
- 1. Platyhelminthes
  - 2. Ctenophora
  - 3. Porifera
  - 4. Cnidaria

Question ID : 65497842191  
Status : Answered  
Chosen Option : 1

Q.4 In May 2020, the Government of India announced a special economic and comprehensive package equivalent to \_\_\_\_\_ of India's GDP under Atmanirbhar Bharat Abhiyan.

- Ans
- 1. 10%
  - 2. 20%
  - 3. 25%
  - 4. 15%



INDIA

Question ID : 65497842392  
Status : Answered  
Chosen Option : 2

Q.5 Which of the following pairs of Indian revolutionaries and organisations is CORRECTLY paired?

- Ans
- 1. M Veera Raghavachari – Poona Sarvajanik Sabha
  - 2. Badruddin Tyabji – Bombay Presidency Association
  - 3. Mahadev Govind Ranade – Madras Mahajana Sabha
  - 4. Surendranath Banerjee – East India Association

Question ID : 65497842201  
Status : Not Answered  
Chosen Option : --

**Q.6** Which of the following titles was held by Prince Phillip, the late husband of Queen Elizabeth II, until his death in April 2021?

- Ans**
- 1. Duke of Cambridge
  - 2. Duke of Gloucester
  - 3. Duke of Windsor
  - 4. Duke of Edinburgh

Question ID : **65497842405**  
Status : **Answered**  
Chosen Option : **4**

**Q.7** Irrespective of the source, pure water contains \_\_\_\_\_ of oxygen by mass.

- Ans**
- 1. 35.42%
  - 2. 88.89%
  - 3. 56.83%
  - 4. 11.11%

Question ID : **65497842294**  
Status : **Marked For Review**  
Chosen Option : **1**

**Q.8** \_\_\_\_\_ is an environmental policy under which producers are given a significant responsibility – financial and/or physical – for the treatment or disposal of products that are no longer useful to the consumer.

- Ans**
- 1. Producers' Environmental Responsibility
  - 2. Ethical Producer Responsibility
  - 3. Extended Producer Responsibility
  - 4. Post-consumer Environmental Responsibility

Question ID : **65497841994**  
Status : **Answered**  
Chosen Option : **4**

**Q.9** One mole of an ideal gas occupies a volume of \_\_\_\_\_ litre at 273 K and 1 atm pressure.

- Ans**
- 1. 21.2
  - 2. 25.1
  - 3. 20.3
  - 4. 22.4

Question ID : **65497842397**  
Status : **Not Answered**  
Chosen Option : **--**

Q.10 \_\_\_\_\_ was among 12 people chosen for the 'International Anti-Corruption Champions Award' constituted by the United States Department of State in February 2021.

- Ans
- 1. Medha Patkar
  - 2. Archana Borthakur
  - 3. Flavia Agnes
  - 4. Anjali Bhardwaj

Question ID : 65497842003  
Status : Not Answered  
Chosen Option : --

Q.11 As per National Family Health Survey 5, \_\_\_\_\_ is the only state with a sex ratio at birth for children born in the last five years (urban + rural), above 1,000.

- Ans
- 1. Andhra Pradesh
  - 2. Goa
  - 3. Himachal Pradesh
  - 4. Tripura

Question ID : 65497842399  
Status : Marked For Review  
Chosen Option : 4

Q.12 \_\_\_\_\_ ranked first on Forbes' list of 'Highest-Paid Female Athletes 2020'.

- Ans
- 1. Naomi Osaka
  - 2. Alex Morgan
  - 3. Serena Williams
  - 4. Ashleigh Barty

Question ID : 65497842008  
Status : Not Answered  
Chosen Option : --

Q.13 Which of the following rivers flow through both the states, West Bengal and Sikkim?

- Ans
- 1. Koshi
  - 2. Hooghly
  - 3. Sone
  - 4. Teesta

Question ID : 65497843310  
Status : Answered  
Chosen Option : 2

**Q.14** In which of the following years Motilal Nehru along with eight other congress leaders drafted a Constitution for India?

- Ans**  1. 1928  
 2. 1935  
 3. 1945  
 4. 1931

Question ID : **65497843319**  
Status : **Answered**  
Chosen Option : **4**

**Q.15** 'Hypnea indica' and 'Hypnea bullata' are types of :

- Ans**  1. green seaweeds  
 2. black seaweeds  
 3. yellow seaweeds  
 4. red seaweeds

Question ID : **65497843303**  
Status : **Not Answered**  
Chosen Option : --

**Q.16** The system of MSP (Minimum Support Price) was first introduced for \_\_\_\_\_ in 1966-67 and later expanded to include other essential food crops.

- Ans**  1. jowar  
 2. bajra  
 3. wheat  
 4. ragi



**INDIA**

Question ID : **65497841987**  
Status : **Not Answered**  
Chosen Option : --

**Q.17** Who among the following is an Indian professional tennis player?

- Ans**  1. Shanti Mallick  
 2. Ankita Raina  
 3. Aditi Chauhan  
 4. Bala Devi

Question ID : **65497842209**  
Status : **Marked For Review**  
Chosen Option : **3**



**Q.18 Article \_\_\_\_\_ of the Indian Constitution states that 'there shall be a Commission for the socially and educationally backward classes to be known as the National Commission for Backward Classes'.**

- Ans**
- 1. 124A (1)
  - 2. 243S (1)
  - 3. 243Y (1)
  - 4. 338B (1)

Question ID : **65497842409**  
Status : **Not Answered**  
Chosen Option : --

**Q.19 Who among the following persons is NOT a co-author of the book 'Till We Win: India's Fight Against the Covid-19 Pandemic'?**

- Ans**
- 1. Dr Gagandeep Kang
  - 2. Dr Soumya Swaminathan
  - 3. Dr Chandrakant Lahariya
  - 4. Dr Randeep Guleria

Question ID : **65497842305**  
Status : **Not Answered**  
Chosen Option : --

**Q.20 Which of the following is a folk song genre popular in parts of West Bengal, Assam and Bangladesh?**

- Ans**
- 1. Chalo
  - 2. Roppi
  - 3. Bhawaiya
  - 4. Rekham Pada

Question ID : **65497843297**  
Status : **Not Answered**  
Chosen Option : --

**Q.21 In which of the following forts was Razia Sultan imprisoned by Malik Ikhtiyar-ud-din Altunia?**

- Ans**
- 1. Qila Mubarak in Bathinda
  - 2. Jaigarh fort in Jaipur
  - 3. Golconda fort in Golconda
  - 4. Mehrangarh fort in Jodhpur

Question ID : **65497843311**  
Status : **Answered**  
Chosen Option : 1

Q.22 Carbon monoxide contains approximately \_\_\_\_\_ of oxygen for each 1.00 g of carbon.

- Ans  1. 0.23 g  
 2. 2.66 g  
 3. 1.33 g  
 4. 4.11 g

Question ID : 65497841992  
Status : Answered  
Chosen Option : 1

Q.23 The Central Board of Directors of the Reserve Bank of India are appointed for a term of \_\_\_\_\_ years.

- Ans  1. three  
 2. two  
 3. four  
 4. five

Question ID : 65497842289  
Status : Answered  
Chosen Option : 2

Q.24 \_\_\_\_\_ is an annual three-day festival held at Bara Shaheed Dargah in Nellore.

- Ans  1. Bheldiya  
 2. Baishagu  
 3. Ali Ai Ligang  
 4. Rottela Panduga

Question ID : 65497842187  
Status : Not Answered  
Chosen Option : --

Q.25 The \_\_\_\_\_ Amendment Act of the Constitution of India introduced the Goods and Services Tax (GST) in India.

- Ans  1. 104th  
 2. 92nd  
 3. 101st  
 4. 98th

Question ID : 65497842307  
Status : Answered  
Chosen Option : 3

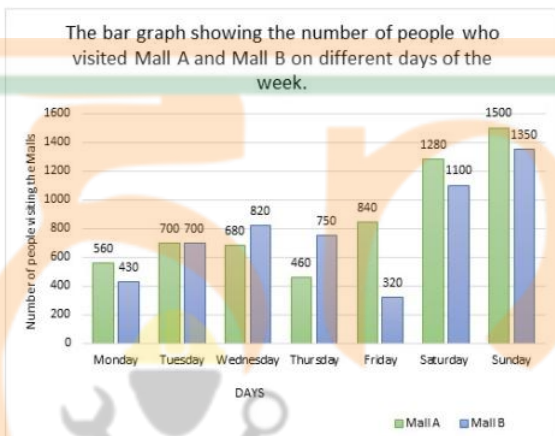
Section : Quantitative Aptitude

**Q.1** 20 men can finish a work in 30 days. They started working, but 4 men left the work after 10 days. In how many days would the work be completed?

- Ans**
- 1. 30
  - 2. 25
  - 3. 35
  - 4. 28

Question ID : **65497842422**  
Status : **Answered**  
Chosen Option : **3**

**Q.2** The bar graph shows the number of people who visited Mall A and Mall B on different days of a week.



What is the ratio of the number of people visiting Mall A on Thursday, Saturday and Sunday together to the number of people visiting Mall B on these three days together?

- Ans**
- 1. 27 : 25
  - 2. 80 : 81
  - 3. 81 : 80
  - 4. 25 : 27

Question ID : **65497843244**  
Status : **Answered**  
Chosen Option : **3**

**Q.3** A fruit seller sells 45% of the oranges that he has along with one more orange to a customer. He then sells 20% of the remaining oranges and 2 more oranges to a second customer. He then sells 90% of the now remaining oranges to a third customer and is still left with 5 oranges. How many oranges did the fruit seller have initially?

- Ans**
- 1. 100
  - 2. 111
  - 3. 121
  - 4. 120

Question ID : **65497842216**  
Status : **Not Answered**  
Chosen Option : --

**Q.4** AB is a chord of a circle with centre O. C is a point on the circumference of the circle in the minor sector. If  $\angle ABO = 40^\circ$ , what is the measure (in degree) of  $\angle ACB$ ?

- Ans**
- 1.  $110^\circ$
  - 2.  $130^\circ$
  - 3.  $100^\circ$
  - 4.  $120^\circ$

Question ID : **65497843336**  
Status : **Not Answered**  
Chosen Option : --

**Q.5** In a triangle ABC, the bisector of angle BAC meets BC at point D such that  $DC = 2BD$ . If  $AC - AB = 5$  cm, then find the length of AB (in cm).

- Ans**
- 1. 10
  - 2. 12
  - 3. 7
  - 4. 5

Question ID : **65497842328**  
Status : **Answered**  
Chosen Option : 4

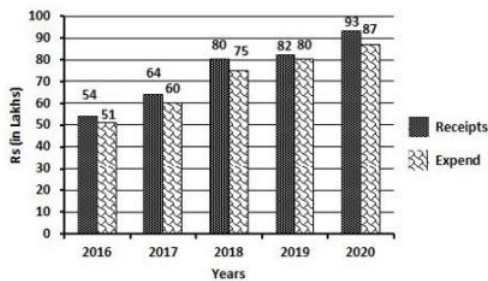
**Q.6** Two successive discounts of 20% and 25% on the marked price of an article are equal to a single discount of ₹250. If the marked price of the article is 25% above the cost price, the cost price (in ₹) of the article is:

- Ans**
- 1. 450
  - 2. 600
  - 3. 550
  - 4. 500

Question ID : **65497843023**  
Status : **Answered**  
Chosen Option : 4

**Q.7** The following bar graph shows receipts and expenditure by a business firm over 5 years. Gain = Receipts – Expenditure.

In which year did the company gain the maximum amount?



- Ans**
- 1. 2016
  - 2. 2017
  - 3. 2018
  - 4. 2020

Question ID : 65497842030  
Status : Answered  
Chosen Option : 4

**Q.8** A shopkeeper bought 60 pencils at a rate of 4 for ₹5 and another 60 pencils at a rate of 2 for ₹3. He mixed all the pencils and sold them at a rate of 3 for ₹4. Find his gain or loss percentage.

- Ans**
- 1. Profit  $3\frac{1}{8}\%$
  - 2. Loss  $3\frac{1}{33}\%$
  - 3. Profit  $2\frac{7}{8}\%$
  - 4. Loss  $2\frac{7}{8}\%$

Question ID : 65497842419  
Status : Answered  
Chosen Option : 2

**Q.9** What is the compound interest (in ₹) at the rate of 10%, compounded annually, for 3 years on the principal which in 8 years at the rate of 12% per annum gives ₹4,800 as simple interest?

- Ans**
- 1. 1,455
  - 2. 1,655
  - 3. 2,045
  - 4. 1,505

Question ID : 65497843330  
Status : Answered  
Chosen Option : 2

**Q.10** Akhil rides first 12 km at a speed of 16 km/h and further 6 km at a speed of 20 km/h. Find his average speed (in km/h).

**Ans**

✗ 1.  $18\frac{1}{5}$

✓ 2.  $17\frac{1}{7}$

✗ 3.  $17\frac{1}{2}$

✗ 4.  $16\frac{4}{5}$

Question ID : 65497842322

Status : Answered

Chosen Option : 2

**Q.11** A and B entered into a partnership with certain investments. At the end of 8 months, A withdrew and collected back his money. A and B received profit in the ratio 5 : 9 at the end of the year. If B had invested ₹36,000, then how much (in ₹) had A invested?

**Ans**

✗ 1. 25,000

✓ 2. 30,000

✗ 3. 20,000

✗ 4. 36,000

Question ID : 65497842319

Status : Answered

Chosen Option : 2

**Q.12** Simplify the following expression:

$$\frac{\cos A}{1 - \tan A} + \frac{\sin A}{1 - \cot A} - \sin A$$

**Ans**

✗ 1.  $1 + \cos A$

✗ 2.  $(1 + \sin A) \cos A$

✗ 3.  $1 + \sin A$

✓ 4.  $\cos A$

Question ID : 65497842432

Status : Answered

Chosen Option : 4

**Q.13** What is the angle of elevation of the sun when the shadow of a 9-m high pole is  $3\sqrt{3}$  m long?

- Ans**
- 1.  $30^\circ$
  - 2.  $45^\circ$
  - 3.  $60^\circ$
  - 4.  $90^\circ$

Question ID : **65497842029**  
Status : **Answered**  
Chosen Option : **3**

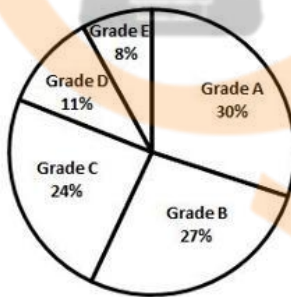
**Q.14** The average of twelve numbers is 42. The average of the last five numbers is 40, and that of the first four numbers is 44. The sixth number is 6 less than the fifth number and 5 less than the seventh number. The average of the sixth and seventh numbers is:

- Ans**
- 1. 41.5
  - 2. 43.5
  - 3. 44.5
  - 4. 45.5

Question ID : **65497844335**  
Status : **Answered**  
Chosen Option : **1**

**Q.15** Performance of 1800 students in grades has been shown in the following pie chart.

How many students have got either grade D or grade E?



- Ans**
- 1. 345
  - 2. 352
  - 3. 342
  - 4. 359

Question ID : **65497842031**  
Status : **Answered**  
Chosen Option : **3**

**Q.16** Find the value of  $k$  such that the number  $k53206k$  is divisible by 6.

- Ans**
- 1. 7
  - 2. 4
  - 3. 2
  - 4. 1

Question ID : 65497842211  
Status : Answered  
Chosen Option : 2

**Q.17** Find the greatest 3-digit number which, when divided by 3, 4, 5 and 8, leaves remainder 2 in each case.

- Ans**
- 1. 962
  - 2. 122
  - 3. 958
  - 4. 482

Question ID : 65497842010  
Status : Answered  
Chosen Option : 1

**Q.18** In a circle with centre  $O$  and of radius 13 cm, two parallel chords are drawn on different sides of the centre. If the length of one chord is 10 cm and the distance between the two chords is 17 cm, then find the difference in lengths of the two chords (in cm).

- Ans**
- 1. 10
  - 2. 14
  - 3. 24
  - 4. 12

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Question ID : 65497842226  
Status : Answered  
Chosen Option : 2

**Q.19** If  $(x + y)^3 - (x - y)^3 - 3y(2x^2 - 3y^2) = ky^3$ , then find the value of  $k$ .

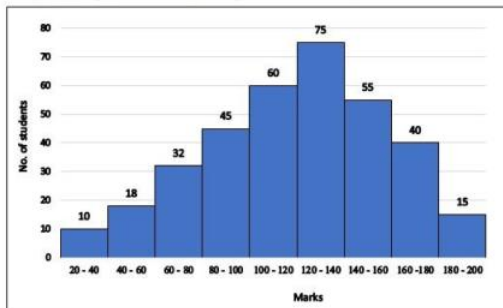
- Ans**
- 1. 10.5
  - 2. 8
  - 3. 11
  - 4. 10

Question ID : 65497842425  
Status : Answered  
Chosen Option : 3



**Q.20** The given histogram represents the marks of students in Mathematics test of a certain class.  
The total number of students is 350 and the maximum marks of the test are 200.

Study the graph and answer the question that follows.



The total number of students whose marks are less than 100 is what percentage (correct up to one place of decimal) less than the total number of students whose marks are 120 and above?

- Ans**
- 1. 32.7%
  - 2. 36.6%
  - 3. 43.2%
  - 4. 51.8%

Question ID : 65497843346  
Status : **Marked For Review**  
Chosen Option : 4

**Q.21** If  $\cot^2 \alpha + \tan^2 \alpha = 2$ ,  $0^\circ \leq \alpha \leq 90^\circ$ , then find the value of  $\alpha$ .

- Ans**
- 1.  $0^\circ$
  - 2.  $45^\circ$
  - 3.  $60^\circ$
  - 4.  $90^\circ$

Question ID : 65497842330  
Status : **Answered**  
Chosen Option : 2

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Q.22 Find the value of the following expression:

$$\frac{1\frac{2}{3} \div \frac{5}{6} \times 6 + \frac{4}{5} \times \frac{1}{2} + \frac{2}{3}}{2 - \left[ 1\frac{1}{3} \times \left( -\frac{3}{5} \right) - 6 \left\{ \frac{3}{5} - \left( 3 - \frac{3}{10} \right) \right\} \right]}$$

Ans

✓ 1.  $-\frac{4}{3}$

✗ 2.  $\frac{4}{3}$

✗ 3.  $\frac{1}{7}$

✗ 4.  $-\frac{1}{7}$

Question ID : 65497842011

Status : Not Answered

Chosen Option : --

Q.23 In a right-angled triangle, the lengths of the medians from the vertices of acute angles are 7 cm and  $4\sqrt{6}$  cm. What is the length of the hypotenuse of the triangle (in cm)?

Ans

✗ 1.  $3.5 + 2\sqrt{6}$

✗ 2.  $\frac{5}{2}\sqrt{29}$

✗ 3.  $\sqrt{29}$

✓ 4.  $2\sqrt{29}$

Question ID : 65497842430

Status : Answered

Chosen Option : 4

Q.24 The length of a wire (in cm) of 0.1 mm radius that can be drawn from melting a solid copper sphere of diameter 6 cm is:

Ans

✗ 1. 250000

✓ 2. 360000

✗ 3. 440000

✗ 4. 810000

Question ID : 65497844343

Status : Answered

Chosen Option : 2

**Q.25** If  $a + b + c = 11$  and  $ab + bc + ca = 28$ , then find the value of  $a^3 + b^3 + c^3 - 3abc$ .

- Ans**
- 1. 1639
  - 2. 407
  - 3. 2255
  - 4. 1093

Question ID : 65497842325  
Status : Answered  
Chosen Option : 2

Section : English Comprehension

**Q.1** Select the most appropriate synonym of the given word.

**Arid**

- Ans**
- 1. Dry
  - 2. Lively
  - 3. Damp
  - 4. Fertile

Question ID : 65497842050  
Status : Answered  
Chosen Option : 1

**Q.2** Select the INCORRECTLY spelt word.

- Ans**
- 1. Annivarsary
  - 2. Anguish
  - 3. Anonymous
  - 4. Announcement

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Question ID : 65497842361  
Status : Answered  
Chosen Option : 1

**Q.3** Select the option that expresses the given sentence in active voice.

**I have been informed of their decision.**

- Ans**
- 1. They are informing me of their decision.
  - 2. They informed me of their decision.
  - 3. They had informed me of their decision.
  - 4. They have informed me of their decision.

Question ID : 65497842038  
Status : Answered  
Chosen Option : 4

**Q.4 Identify the segment in the sentence which contains the grammatical error.**

**Smita lived in this house since she was five years old.**

- Ans**
- 1. five years old
  - 2. in this house
  - 3. since she was
  - 4. Smita lived

Question ID : **65497843350**  
Status : **Answered**  
Chosen Option : **4**

**Q.5 Select the most appropriate synonym of the given word.**

**Tranquil**

- Ans**
- 1. Calm
  - 2. Alert
  - 3. Aware
  - 4. Dazed

Question ID : **65497842354**  
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.**

**An animal with a spinal cord**

- Ans**
- 1. Amphibian
  - 2. Mammal
  - 3. Invertebrate
  - 4. Vertebrate

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Question ID : **65497842359**  
Status : **Marked For Review**  
Chosen Option : **4**

**Q.7 Select the most appropriate ANTONYM of the given word.**

**Feeble**

- Ans**
- 1. Wild
  - 2. Fast
  - 3. Strong
  - 4. Fickle

Question ID : **65497842254**  
Status : **Answered**  
Chosen Option : **3**

**Q.8** Select the option that expresses the given sentence in direct speech.

The guard told the children to stay away from the flower beds.

- Ans
- 1. The guard says to the children, " Stay away from the flower beds."
  - 2. The guard told to the children, " Stay away from the flower beds."
  - 3. The guard said, "Children, should you stay away from the flower beds."
  - 4. The guard said, "Children, stay away from the flower beds."

Question ID : 65497843359  
Status : Answered  
Chosen Option : 4

**Q.9** Select the most appropriate ANTONYM of the given word.

Famished

- Ans
- 1. Hesitant
  - 2. Volatile
  - 3. Starved
  - 4. Satiated

Question ID : 65497843366  
Status : Answered  
Chosen Option : 4

**Q.10** The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

A shop nearby / sell all the goods / of daily use.

- Ans
- 1. No error
  - 2. A shop nearby
  - 3. sell all the goods
  - 4. of daily use

Question ID : 65497842135  
Status : Answered  
Chosen Option : 3

**Q.11** 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 required'.

I can't make out my mind about taking a vacation in winter.

- Ans
- 1. make up
  - 2. made out
  - 3. No substitution required
  - 4. make on

Question ID : 65497842048  
Status : Answered  
Chosen Option : 1

Q.12 Select the most appropriate meaning of the given idiom.

**Blow your own trumpet**

- Ans  1. Boast about one's own qualities  
 2. Keep away the dust from your instruments  
 3. Practise playing music  
 4. Play on your instrument

Question ID : 65497842256  
Status : Answered  
Chosen Option : 1

Q.13 Select the option that can be used as a one-word substitute for the given group of words.

**Able to be happy, successful, etc. again after something difficult or bad has happened**

- Ans  1. Reluctant  
 2. Remnant  
 3. Resilient  
 4. Resistant

Question ID : 65497842461  
Status : Answered  
Chosen Option : 3

Q.14 The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

**He was formerly / a doctor of / the corporate hospital.**

- Ans  1. No error  
 2. He was formerly  
 3. the corporate hospital  
 4. a doctor of

Question ID : 65497842339  
Status : Answered  
Chosen Option : 4

Q.15 Select the most appropriate meaning of the given idiom.

**A snake in the grass**

- Ans  1. A sudden death  
 2. A good fortune  
 3. A hidden enemy  
 4. An unfortunate accident

Question ID : 65497843368  
Status : Answered  
Chosen Option : 3

Q.16 Identify the segment in the sentence which contains the grammatical error.

Our team have won the match.

- Ans
- 1. the match
  - 2. won
  - 3. Our team
  - 4. have

Question ID : 65497843348  
Status : Answered  
Chosen Option : 4

Q.17 Select the most appropriate option to fill in the blank.

They called Mohan a \_\_\_\_\_ because he did not want to go into the dark lane.

- Ans
- 1. coward
  - 2. hero
  - 3. brave
  - 4. valiant

Question ID : 65497842463  
Status : Answered  
Chosen Option : 1

Q.18 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. They always shared machinery and goods as needed without a hitch.
- B. Then they had the first serious quarrel in 40 years of farming side by side.
- C. And unfortunately, the long collaboration fell apart.
- D. Two brothers lived on adjoining farms in a small village.

- Ans
- 1. DBCA
  - 2. DABC
  - 3. CADB
  - 4. BCAD

Question ID : 65497842049  
Status : Answered  
Chosen Option : 2

Q.19 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'.

Hardly had we get in but the train started.

- Ans
- 1. we get in than
  - 2. No substitution required
  - 3. we got in before
  - 4. we got in when

Question ID : 65497842249  
Status : Answered  
Chosen Option : 4

**Q.20** Select the correct active voice of the given sentence.

The watchman has been bitten by a stray dog.

- Ans
- 1. A watchman has bitten the stray dog.
  - 2. A stray dog has bitten the watchman.
  - 3. A stray dog bit the watchman.
  - 4. A stray dog is biting the watchman.

Question ID : 65497842342  
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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

SubQuestion No : 21

**Q.21** Select the most appropriate option to fill in blank no. 1.

- Ans
- 1. turned
  - 2. achieved
  - 3. reached
  - 4. arrived

Question ID : 65497842445  
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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

SubQuestion No : 22

**Q.22** Select the most appropriate option to fill in blank no. 2.

- Ans
- 1. tape
  - 2. office
  - 3. child
  - 4. picture

Question ID : 65497842446  
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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 23**

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

- Ans**  1. substantial  
 2. large  
 3. generous  
 4. considerable

Question ID : 65497842447

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in blank no. 4.

- Ans**  1. violation  
 2. damage  
 3. interruption  
 4. disruption

Question ID : 65497842448

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 25**

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

- Ans  1. That  
 2. Such  
 3. This  
 4. Which

Question ID : 65497842449

Status : Answered

Chosen Option : 2



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