

## Combined Graduate Level Examination 2021 Tier - I

Roll Number	Join Telegram For Free Material
Candidate Name	Join Telegram For Free Material
Venue Name	iON Digital Zone iDZ 1 Sector 62
Exam Date	20/04/2022
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE 2021 Tier I

### Section : General Intelligence and Reasoning

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

55, 63, ?, 343, 855, 1855

Ans ☒ 1. 135

☒ 2. 117

☒ 3. 223

☒ 4. 127

Question ID : 65497844092

Status : Answered

Chosen Option : 4

**Q.2** Shashank walks a certain distance, say X m, towards the west, then turns left and walks 35 m, and then turns right and walks 18 m. From there, he turns left and walks 9 m, and then turns left again and walks 60 m. From there, he turns left and walks 9 m, and then turns left again and walks 12 m. He finally turns right and walks 35 m to reach a point that is exactly 10 m to the east of the starting point. What is the value of X?

Ans ☒ 1. 20

☒ 2. 22

☒ 3. 30

☒ 4. 36

Question ID : 65497842987

Status : Answered

Chosen Option : 2

**Q.3** Select the number-pair in which the two numbers share the same relationship as that shared by the given pair of numbers.

14 : 421

Ans ☒ 1. 13 : 310

☒ 2. 11 : 265

☒ 3. 18 : 611

☒ 4. 16 : 421

Question ID : 65497842982

Status : Answered

Chosen Option : 2

**Q.4** If the signs '÷' and '×' are interchanged, then which of the following equations can be correctly balanced?

- Ans**
- ☒ 1.  $64 \div 8 - 22 \times 3 + 30 = 103$
  - ☒ 2.  $36 + 14 \times 18 \div 3 - 12 = 72$
  - ☒ 3.  $119 \div 17 - 6 + 24 \times 34 = 32$
  - ☒ 4.  $42 \div 6 - 18 + 30 \times 7 = 146$

Question ID : 65497844097  
Status : Answered  
Chosen Option : 3

**Q.5** Select the number from among the given options that can replace the question mark (?) in the following series.

9, 29, 67, 129, ?, 349

- Ans**
- ☒ 1. 242
  - ☒ 2. 185
  - ☒ 3. 221
  - ☒ 4. 178

Question ID : 65497842374  
Status : Answered  
Chosen Option : 3

**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:**  
Some locks are keys.  
No key is a chain.  
All springs are chains.

**Conclusions:**  
I. Some keys are springs.  
II. No key is a spring.  
III. No lock is a spring.

- Ans**
- ☒ 1. Only conclusion II follows.
  - ☒ 2. Only conclusions I and II follow.
  - ☒ 3. None of the conclusions follow.
  - ☒ 4. Either conclusion I or II follows.

Question ID : 65497844090  
Status : Answered  
Chosen Option : 1

Q.7 In a certain code language, 'PENCIL' is written as 'MKFRJV' and 'ERASER' is written as 'SGVEWK'. How will 'MASTER' be written in that language?

- Ans ☐ 1. REWWGT  
☒ 2. SGWWFS  
☐ 3. RFWVES  
☐ 4. SFWYFT

Question ID : 65497842872  
Status : Answered  
Chosen Option : 2

Q.8 Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it.

12 7 70  
15 6 78  
11 9 ?

- Ans ☐ 1. 75  
☐ 2. 85  
☒ 3. 81  
☐ 4. 76

Question ID : 65497842378  
Status : Answered  
Chosen Option : 3

Q.9 In a certain code language, 'STREAM' is coded as 161418445228. How will 'PERIOD' be coded in that language?

- Ans ☐ 1. 224418382448  
☒ 2. 224418362446  
☐ 3. 244418342446  
☐ 4. 224420363046

Question ID : 65497842974  
Status : Answered  
Chosen Option : 2

Q.10 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Tranquil  
2. Transit  
3. Transfer  
4. Transient  
5. Training

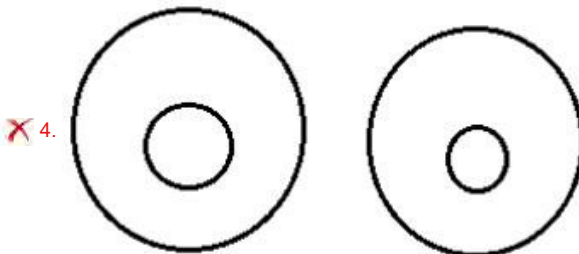
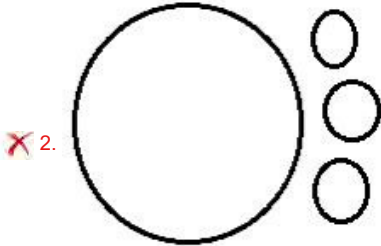
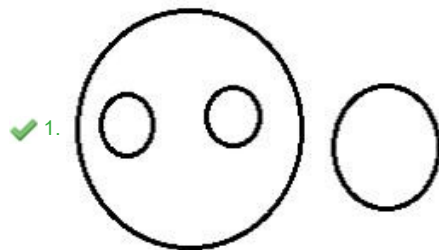
- Ans ☒ 1. 5, 1, 3, 4, 2  
☐ 2. 2, 5, 3, 4, 1  
☐ 3. 5, 1, 3, 2, 4  
☐ 4. 5, 1, 4, 3, 2

Question ID : 65497843980  
Status : Answered  
Chosen Option : 1

**Q.11** Select the Venn diagram that best represents the relationship among the following classes.

Electronic gadgets, Mobile phones, Table, Laptops

**Ans**



Question ID : 65497842084

Status : Answered

Chosen Option : 1

**Q.12** Ranjana said to a woman, "My father is the paternal grandfather of your son Piyush".  
How is Piyush related to Ranjana?

**Ans** ✗ 1. Cousin

✓ 2. Nephew

✗ 3. Grandson

✗ 4. Brother

Question ID : 65497842876

Status : Answered

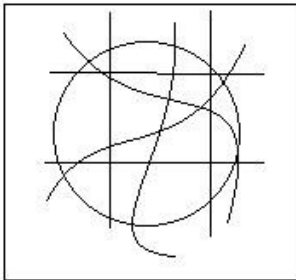
Chosen Option : 2

**Q.13** Select the option in which the given figure is embedded (rotation is NOT allowed).

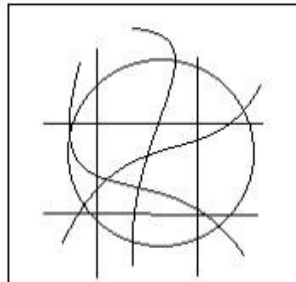


**Ans**

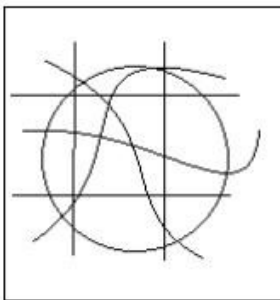
 1.



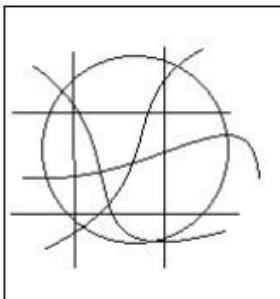
 2.



 3.



 4.



Question ID : 65497842384  
Status : Answered  
Chosen Option : 2

**Q.14** Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans ☒ 1. VSQ  
☒ 2. WTP  
☒ 3. MJH  
☒ 4. PMK

Question ID : 65497842365  
Status : Answered  
Chosen Option : 2

**Q.15** Select the letter-clusters from among the given options that can sequentially replace both the question marks (?) in the following series.

ZCKR, bfow, DISB, flwg, HOAL, ?, ?

- Ans ☒ 1. JREQ, luiw  
☒ 2. jreq, LUIV  
☒ 3. jres, LUIX  
☒ 4. jrfq, LUIW

Question ID : 65497844080  
Status : Answered  
Chosen Option : 2

**Q.16** In a certain code, 34225 means 'Red fort is in Delhi' and 5248 means 'Delhi is very polluted'. Which of the following is the code for 'Pollution level is changing'?

- Ans ☒ 1. 9528  
☒ 2. 7859  
☒ 3. 5548  
☒ 4. 1528

Question ID : 65497842369  
Status : Not Answered  
Chosen Option : --

**Q.17** 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.

DFC : WHX :: KFQ : ?

- Ans ☒ 1. PHJ  
☒ 2. QHJ  
☒ 3. RGK  
☒ 4. QHK

Question ID : 65497842063  
Status : Answered  
Chosen Option : 1

**Q.18** Which two signs need to be interchanged to make the following equation correct?

$$95 \div 19 \times 3 - 7 + 29 = 13$$

Ans ☒ 1. + and ×

☒ 2. ÷ and −

☒ 3. − and +

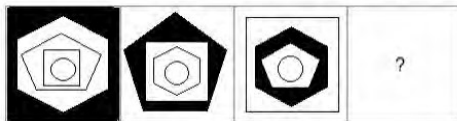
☒ 4. − and ×

Question ID : 65497842884

Status : Answered

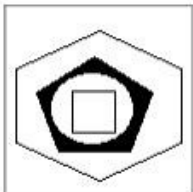
Chosen Option : 4

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



Ans

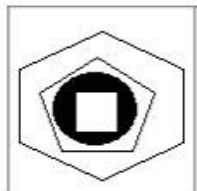
☒ 1.



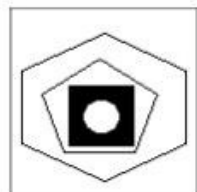
☒ 2.



☒ 3.



☒ 4.



Question ID : 65497842887

Status : Not Answered

Chosen Option : --

**Q.20** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

L G \_ Q \_ G P \_ L \_ P Q \_ G \_ Q

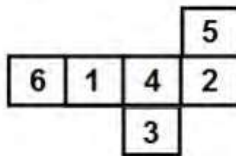
- Ans
- ☒ 1. P, L, P, G, L, Q
  - ☒ 2. P, Q, L, G, P, L
  - ☒ 3. P, P, L, G, Q, L
  - ☒ 4. P, L, Q, G, L, P

Question ID : 65497842875

Status : Answered

Chosen Option : 4

**Q.21** Select the dice that can be formed by folding the given sheet along the lines.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

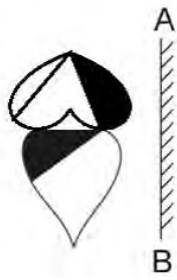
Question ID : 65497844100

Status : Answered

Chosen Option : 2

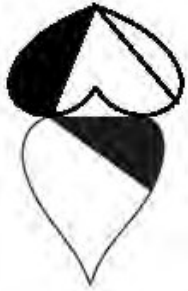


**Q.22** Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

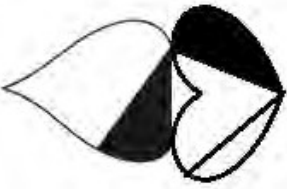


**Ans**

✓ 1.



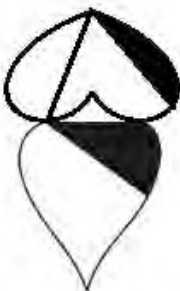
✗ 2.



✗ 3.

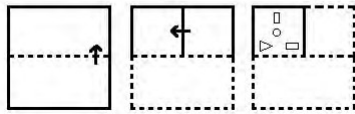


✗ 4.



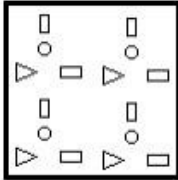
Question ID : 65497842890  
Status : Answered  
Chosen Option : 1

**Q.23** 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?

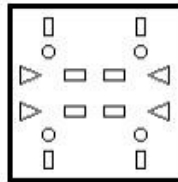


**Ans**

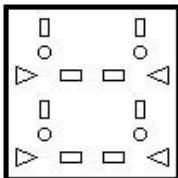
☒ 1.



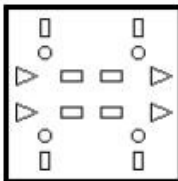
☒ 2.



☒ 3.



☒ 4.



Question ID : 65497842992

Status : Answered

Chosen Option : 2

**Q.24** Six students, Abhay, Bhanu, Charu, David, Ekta and Farheen, are the top six rank holders in a school. The rank of Bhanu is between the ranks of Charu and David. Bhanu is on the fourth rank. There are two students between the ranks of Ekta and David. Ekta is at the lowest rank among all the given students. The rank of Abhay is immediately below the rank of Farheen. Who is on the fifth rank?

**Ans**

☒ 1. Ekta

☒ 2. Charu

☒ 3. David

☒ 4. Abhay

Question ID : 65497842877

Status : Answered

Chosen Option : 2

**Q.25** Vaidehi got 92% marks in an examination and Kavyanjali got 78% marks in the same examination. If the difference between the marks obtained by Vaidehi and Kavyanjali is 105, find the marks obtained by Vaidehi in the examination.

- Ans ☐ 1. 736  
☐ 2. 644  
☒ 3. 690  
☐ 4. 598

Question ID : 65497842074  
Status : Answered  
Chosen Option : 3

Section : General Awareness

**Q.1** Decrease in which of the following factors leads to an increase in the rate of evaporation?

- Ans ☐ 1. Ambient temperature  
☒ 2. Humidity  
☐ 3. Area of the free surface of the liquid concerned  
☐ 4. Wind speed above the surface of the liquid

Question ID : 65497842394  
Status : Not Answered  
Chosen Option : --

**Q.2** \_\_\_\_\_ is a mask dance popular in South Malabar.

- Ans ☐ 1. Dhangar  
☒ 2. Kummattikali  
☐ 3. Parichakali  
☐ 4. Zemmado

Question ID : 65497842388  
Status : Not Answered  
Chosen Option : --

**Q.3** As per Economic Survey 2020-2021, during the first half of the financial year 2020-21, the services sector contracted by almost \_\_\_\_\_.

- Ans ☐ 1. 21%  
☒ 2. 16%  
☐ 3. 6%  
☐ 4. 11%

Question ID : 65497842088  
Status : Not Answered  
Chosen Option : --

Q.4 Acidic drain cleaners made of \_\_\_\_\_ or \_\_\_\_\_ acid are powerful enough to clear heavy-duty hair, food, grease, soap scum or paper-based clogs in 15 minutes or less.

- Ans ☒ 1. formic, citric  
☒ 2. nitric, carbonic  
☒ 3. sulphuric, hydrochloric  
☒ 4. malic, lactic

Question ID : 65497843001  
Status : Not Answered  
Chosen Option : --

Q.5 As per the Union Budget 2021-22, Mission Poshan 2.0 is proposed to be launched to improve nutritional outcomes across \_\_\_\_\_ aspirational districts.

- Ans ☒ 1. 95  
☒ 2. 101  
☒ 3. 119  
☒ 4. 112

Question ID : 65497842897  
Status : Not Answered  
Chosen Option : --

Q.6 The Contingency Fund of India is to be augmented from ₹500 crores to \_\_\_\_\_ crores through the Finance Bill as per the Union Budget 2021-22.

- Ans ☒ 1. ₹25,000  
☒ 2. ₹30,000  
☒ 3. ₹15,000  
☒ 4. ₹10,000

Question ID : 65497842996  
Status : Not Answered  
Chosen Option : --

Q.7 Acceleration is equal to the rate of change of \_\_\_\_\_.

- Ans ☒ 1. momentum  
☒ 2. position  
☒ 3. displacement  
☒ 4. velocity

Question ID : 65497844110  
Status : Answered  
Chosen Option : 1

**Q.8 Who among the following was an ancient Indian mathematician-astronomer?**

- Ans** ☒ 1. Amalananda  
☒ 2. Nagarjuna  
☒ 3. Varahamihira  
☒ 4. Banabhatta

Question ID : **65497842402**  
Status : **Answered**  
Chosen Option : **3**

**Q.9 What is the maximum permissible limit of turbidity in potable water as per the Bureau of Indian Standards (BIS)(IS -10500 : 2012)?**

- Ans** ☒ 1. 3 NTU  
☒ 2. 5 NTU  
☒ 3. 7 NTU  
☒ 4. 1 NTU

Question ID : **65497842095**  
Status : **Not Answered**  
Chosen Option : --

**Q.10 When was the Tenth Session of the Constituent Assembly held?**

- Ans** ☒ 1. 6-17 October 1949  
☒ 2. 14-31 July 1947  
☒ 3. 4 November 1948 - 8 January 1949  
☒ 4. 16 May - 16 June 1949

Question ID : **65497842410**  
Status : **Not Answered**  
Chosen Option : --

**Q.11 Which of the following Mauryan rulers did Seleucus fight against in the Seleucid-Mauryan War?**

- Ans** ☒ 1. Chandragupta Maurya  
☒ 2. Samprati  
☒ 3. Ashoka  
☒ 4. Dasharatha

Question ID : **65497844120**  
Status : **Answered**  
Chosen Option : **1**

**Q.12 Who among the following got the award for 'Best Supporting Actress' at the National Awards 2021?**

- Ans** ☒ 1. Tisca Chopra  
☒ 2. Pallavi Joshi  
☒ 3. Divya Dutta  
☒ 4. Konkona Sen Sharma

Question ID : **65497842910**  
Status : **Answered**  
Chosen Option : **1**

**Q.13 Which of the following festivals is celebrated in Uttarakhand?**

- Ans** ☒ 1. Vishu  
☒ 2. Phool Dei  
☒ 3. Dol Jatra  
☒ 4. Nuakhai

Question ID : **65497844106**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.14 Which of the following countries will host the 2023 AIBA Men's World Boxing Championships?**

- Ans** ☒ 1. Uzbekistan  
☒ 2. Russia  
☒ 3. Mongolia  
☒ 4. Serbia

Question ID : **65497844128**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.15 The Hirakud Dam is built near the city of \_\_\_\_\_ in Odisha.**

- Ans** ☒ 1. Cuttack  
☒ 2. Rourkela  
☒ 3. Sambalpur  
☒ 4. Balasore

Question ID : **65497842401**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.16** River Ken is one of the major rivers of the Bundelkhand region of central India and flows through two states, Madhya Pradesh and \_\_\_\_\_.

- Ans**
- ☐ 1. Gujarat
  - ☐ 2. Maharashtra
  - ☐ 3. Rajasthan
  - ☒ 4. Uttar Pradesh

Question ID : 65497842904  
Status : Answered  
Chosen Option : 4

**Q.17** Which of the following statements about 'Swachh Survekshan - Urban' is INCORRECT?

- Ans**
- ☐ 1. It is an annual survey of cleanliness, hygiene and sanitation in cities and towns across India.
  - ☐ 2. The first survey was undertaken in 2016.
  - ☐ 3. It was launched as part of the Swachh Bharat Abhiyan.
  - ☒ 4. It is conducted by the Ministry of Health and Family Welfare.

Question ID : 65497842093  
Status : Not Answered  
Chosen Option : --

**Q.18** \_\_\_\_\_ develops on crystalline igneous rocks in areas of low rainfall in the eastern and southern part of the Deccan Plateau.

- Ans**
- ☒ 1. Red soil
  - ☐ 2. Black soil
  - ☐ 3. Alluvial soil
  - ☐ 4. Arid soil

Question ID : 65497844117  
Status : Answered  
Chosen Option : 2

**Q.19** Who among the following was the recipient of the 'Vatayan Lifetime Achievement Award 2020'?

- Ans**
- ☐ 1. Ravi Shankar Prasad
  - ☐ 2. Prakash Javadekar
  - ☒ 3. Ramesh Pokhriyal
  - ☐ 4. Piyush Goyal

Question ID : 65497842104  
Status : Not Answered  
Chosen Option : --

**Q.20** At which of the following jails was Khudiram Bose sent to the gallows?

- Ans
- ☒ 1. Chittagong
  - ☒ 2. Barishal
  - ☒ 3. Muzaffarpur
  - ☒ 4. Alipore

Question ID : **65497843010**  
Status : **Not Answered**  
Chosen Option : --

**Q.21** Which of the following Hero Indian Super League teams appointed Sergio Lobera as its head coach in October 2020?

- Ans
- ☒ 1. North East United FC
  - ☒ 2. ATK Mohun Bagan
  - ☒ 3. Bengaluru FC
  - ☒ 4. Mumbai City FC

Question ID : **65497842109**  
Status : **Not Answered**  
Chosen Option : --

**Q.22** Which amendment to the Constitution of India added a new subject in the Union List called 'taxes on services'?

- Ans
- ☒ 1. 56th
  - ☒ 2. 62nd
  - ☒ 3. 78th
  - ☒ 4. 88th

Question ID : **65497842914**  
Status : **Answered**  
Chosen Option : 4

**Q.23** Who among the following was the Chief Justice of India – designate in April 2021?

- Ans
- ☒ 1. Justice NV Ramana
  - ☒ 2. Justice AM Khanwilkar
  - ☒ 3. Justice Ashok Bhushan
  - ☒ 4. Justice Arun Mishra

Question ID : **65497843012**  
Status : **Answered**  
Chosen Option : 1



**Q.24** Which of the following Amendments of the Constitution of India amended Article 19 and inserted provisions fully securing the constitutional validity of zamindari abolition laws in general and certain specified State Acts in particular?

- Ans
- ☒ 1. Fourth Amendment
  - ☒ 2. First Amendment
  - ☒ 3. Third Amendment
  - ☒ 4. Second Amendment

Question ID : 65497843014  
Status : Not Answered  
Chosen Option : --

**Q.25** Which of the following is a property of Beryllium?

- Ans
- ☒ 1. Forms ionic compounds
  - ☒ 2. Has a low melting and boiling point
  - ☒ 3. Reacts with water
  - ☒ 4. Forms covalent compounds

Question ID : 65497842902  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude

**Q.1** If  $a + b + c = 6$ ,  $a^2 + b^2 + c^2 = 32$ , and  $a^3 + b^3 + c^3 = 189$ , then the value of  $4abc$  is:

- Ans
- ☒ 1. 12
  - ☒ 2. 16
  - ☒ 3. 9
  - ☒ 4. 8

Question ID : 65497842930  
Status : Answered  
Chosen Option : 1

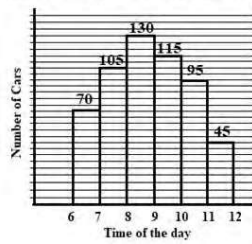
**Q.2** If  $5\sqrt{3} + \sqrt{75} = 17.32$ , then the value of  $14\sqrt{3} + \sqrt{108}$  is:

- Ans
- ☒ 1. 32.46
  - ☒ 2. 35.64
  - ☒ 3. 34.64
  - ☒ 4. 33.86

Question ID : 65497844130  
Status : Answered  
Chosen Option : 3

**Q.3** The number of cars passing the road near a colony from 6 am to 12 noon has been shown in the following histogram.

During which hour(s) is the number of cars passed less than the average number of cars passed from 7 am to 12 noon?



- Ans** ☒ 1. 6-7, 10-11, 11-12  
☒ 2. 10-11, 11-12  
☒ 3. 7-8, 8-9, 9-10  
☒ 4. 6-7, 11-12

Question ID : 65497842437

Status : Answered

Chosen Option : 4

**Q.4** A and B can do a work in 12 days and 18 days, respectively. They worked together for 4 days after which B was replaced by C and the remaining work was completed by A and C in the next 4 days. In how many days will C alone complete 50% of the same work?

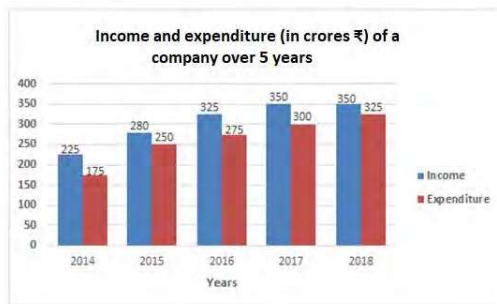
- Ans** ☒ 1. 24  
☒ 2. 18  
☒ 3. 21  
☒ 4. 36

Question ID : 65497842927

Status : Answered

Chosen Option : 2

**Q.5** The given bar graph shows the income and expenditure (in crores ₹) of a company over 5 years, from 2014 to 2018. Study the bar graph and answer the question that follows.



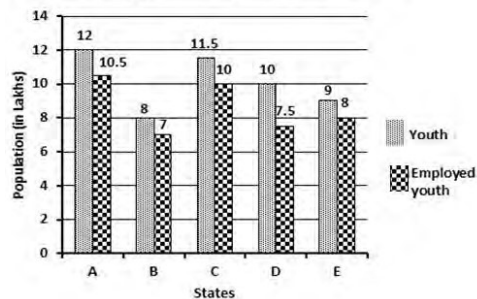
What is the difference (in crores ₹) between the expenditure for the years 2017 and 2018 taken together and the income for the years 2015 and 2016 taken together?

- Ans**
- ☒ 1. 15
  - ☒ 2. 20
  - ☒ 3. 18
  - ☒ 4. 16

Question ID : 65497844353  
Status : Answered  
Chosen Option : 2

**Q.6** The following bar graph shows the number of youth (in lakhs) and the number of employed youth (in lakhs) in five states A, B, C, D and E.

What is the average number of youth in the five states?



- Ans**
- ☒ 1. 1200000
  - ☒ 2. 1015000
  - ☒ 3. 1025000
  - ☒ 4. 1010000

Question ID : 65497842032  
Status : Answered  
Chosen Option : 4

Q.7

The value of  $\left(\frac{1-\cot\theta}{1-\tan\theta}\right)^2 + 1$ , if  $0^\circ < \theta < 90^\circ$ , is equal to:

Ans

✓ 1.  $\operatorname{cosec}^2\theta$

✗ 2.  $\sin^2\theta$

✗ 3.  $\cos^2\theta$

✗ 4.  $\sec^2\theta$

Question ID : 65497842937

Status : Answered

Chosen Option : 1

Q.8

An article is sold at a certain price. If it is sold at 70% of this price, then there is a loss of 10%. What is the percentage profit, when it is sold at the original selling price?

Ans

✗ 1.  $\frac{50}{7}\%$

✓ 2.  $\frac{200}{7}\%$

✗ 3.  $\frac{300}{7}\%$

✗ 4.  $\frac{100}{7}\%$

Question ID : 65497842924

Status : Answered

Chosen Option : 2

Q.9

While preparing the results of English of a class, the marks of one student got recorded as 95 in place of 57, as a result of which there was an increase in the average score by 0.95. How many students were there in the class?

Ans

✗ 1. 57

✗ 2. 37

✗ 3. 45

✓ 4. 40

Question ID : 65497843224

Status : Answered

Chosen Option : 4

Q.10

The length of the body diagonal of a cube is  $8\sqrt{3}$  cm. What is the volume (in  $\text{cm}^3$ ) of the cube?

Ans

✗ 1. 343

✗ 2. 216

✓ 3. 512

✗ 4. 729

Question ID : 65497843232

Status : Answered

Chosen Option : 3

Q.11 The value of  $\frac{5\cos^2 62^\circ + 5\cos^2 28^\circ - 21}{7\sin^2 35^\circ + 7\sin^2 55^\circ + 1}$  is:

- Ans
- ☒ 1. 2
  - ☒ 2. -2
  - ☒ 3. 3
  - ☒ 4. -3

Question ID : 65497843037  
Status : Answered  
Chosen Option : 2

Q.12 Find the value of the following expression:

$$\frac{1\frac{1}{2} + 1\frac{3}{7} \div \left(1\frac{3}{5} \text{ of } 1\frac{1}{4}\right) \times 2\frac{1}{3}}{2\frac{2}{3} \div \frac{4}{9} \times \frac{5}{6} + 14}$$

- Ans
- ☒ 1.  $\frac{107}{342}$
  - ☒ 2.  $\frac{49}{114}$
  - ☒ 3.  $\frac{13}{114}$
  - ☒ 4.  $\frac{1}{6}$

Question ID : 65497842112  
Status : Answered  
Chosen Option : 4

Q.13 In a right-angled triangle PQR,  $\angle Q = 90^\circ$ . A and B are the mid-points of PQ and PR, respectively. If PQ = 16 cm, QR = 30 cm and PR = 34 cm, what is perimeter (in cm) of the trapezium ABRQ?

- Ans
- ☒ 1. 40
  - ☒ 2. 80
  - ☒ 3. 65
  - ☒ 4. 70

Question ID : 65497843035  
Status : Answered  
Chosen Option : 4

**Q.14** PQRS is a cyclic quadrilateral and PQ is a diameter of the circle. If  $\angle RPQ = 23^\circ$ , then what is the measure of  $\angle PSR$ ?

- Ans**
- ☒ 1.  $113^\circ$
  - ☐ 2.  $157^\circ$
  - ☐ 3.  $147^\circ$
  - ☐ 4.  $123^\circ$

Question ID : 65497844145  
Status : Answered  
Chosen Option : 1

**Q.15** Which of the following is the smallest number that is a perfect square and is divisible by each of the numbers 6, 8 and 15?

- Ans**
- ☐ 1. 225
  - ☐ 2. 121
  - ☐ 3. 576
  - ☒ 4. 3600

Question ID : 65497842111  
Status : Answered  
Chosen Option : 4

**Q.16** Divide ₹66,300 between A and B in such a way that the amount that A receives after 8 years is equal to the amount that B receives after 10 years; with compound interest being compounded annually at a rate of 10% per annum.

- Ans**
- ☐ 1.  $A = ₹35,520, B = ₹30,810$
  - ☐ 2.  $A = ₹35,200, B = ₹31,100$
  - ☐ 3.  $A = ₹37,000, B = ₹29,300$
  - ☒ 4.  $A = ₹36,300, B = ₹30,000$

Question ID : 65497842421  
Status : Answered  
Chosen Option : 4

**Q.17** A ladder of length 3.5 m just reaches the top of a wall. If the ladder makes an angle of  $60^\circ$  with the wall, then what is the height of the wall (in m)?

- Ans**
- ☒ 1. 1.75
  - ☐ 2.  $3.5\sqrt{3}$
  - ☐ 3.  $\frac{7\sqrt{3}}{4}$
  - ☐ 4.  $\frac{3.5}{\sqrt{3}}$

Question ID : 65497842130  
Status : Answered  
Chosen Option : 3

**Q.18** A circle is circumscribed on a quadrilateral ABCD. If  $\angle DAB = 100^\circ$ ,  $\angle ADB = 35^\circ$  and  $\angle CDB = 40^\circ$ , then find the measure of  $\angle DBC$ .

- Ans**
- ☐ 1.  $35^\circ$
  - ☒ 2.  $60^\circ$
  - ☐ 3.  $45^\circ$
  - ☐ 4.  $40^\circ$

Question ID : 65497842427  
Status : Answered  
Chosen Option : 2

**Q.19** If  $(4a - 3b) = 1$ ,  $ab = \frac{1}{2}$ , where  $a > 0$  and  $b > 0$ , what is the value of  $(64a^3 + 27b^3)$ ?

- Ans**
- ☐ 1. 15
  - ☐ 2. 25
  - ☐ 3. 30
  - ☒ 4. 35

Question ID : 65497843032  
Status : Answered  
Chosen Option : 4

**Q.20** In  $\triangle ABC$ ,  $\angle A = 68^\circ$ . If I is the incentre of the triangle, then the measure of  $\angle BIC$  is:

- Ans**
- ☒ 1.  $124^\circ$
  - ☐ 2.  $112^\circ$
  - ☐ 3.  $68^\circ$
  - ☐ 4.  $56^\circ$

Question ID : 65497842935  
Status : Answered  
Chosen Option : 1

**Q.21** The distance between two towns is covered in 7 hours at a speed of 50 km/h. By how much should the speed (in km/h) be increased so that 2 hours of travelling time will be saved?

- Ans**
- ☐ 1. 70
  - ☒ 2. 20
  - ☐ 3. 40
  - ☐ 4. 30

Question ID : 65497843029  
Status : Answered  
Chosen Option : 2

**Q.22** A is 25% more than B, and B is 40% less than C. If C is 20% more than D, then A is what percentage less than D?

- Ans**
- ☒ 1. 11%
  - ☒ 2. 10%
  - ☒ 3. 9%
  - ☒ 4. 12%

Question ID : 65497844135  
Status : Answered  
Chosen Option : 2

**Q.23** Three partners shared the profit in a business in the proportion of 9 : 8 : 11. They invested their capitals for 4 months, 6 months and 18 months, respectively. What was the ratio of their capitals?

- Ans**
- ☒ 1. 81 : 48 : 22
  - ☒ 2. 27 : 48 : 22
  - ☒ 3. 81 : 16 : 66
  - ☒ 4. 27 : 16 : 66

Question ID : 65497843026  
Status : Answered  
Chosen Option : 1

**Q.24** A person bought a book at 31% discount on its printed price. If no discount was given, then he would have to pay ₹2,480 more. How much did he pay (in ₹) for the book?

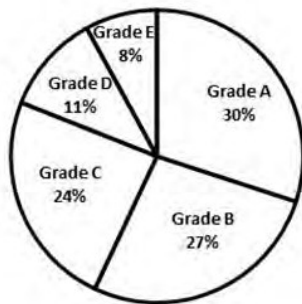
- Ans**
- ☒ 1. 7,000
  - ☒ 2. 5,520
  - ☒ 3. 8,000
  - ☒ 4. 4,560

Question ID : 65497844658  
Status : Answered  
Chosen Option : 2



**Q.25** Performance of 1800 students in grades has been shown in the following pie chart.

How many more students have obtained grade B than those who have obtained grade C?



- Ans
- ☒ 1. 50
  - ☒ 2. 60
  - ☒ 3. 54
  - ☒ 4. 3

Question ID : 65497842132  
Status : Answered  
Chosen Option : 3

Section : English Comprehension

**Q.1** Select the most appropriate meaning of the given idiom.

Back out

- Ans
- ☒ 1. To enquire
  - ☒ 2. To withdraw
  - ☒ 3. To throw
  - ☒ 4. To explode

Question ID : 65497844175  
Status : Answered  
Chosen Option : 2

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

\_\_\_\_\_ did she open her lunch box than everyone gathered around her.

- Ans
- ☒ 1. As soon as
  - ☒ 2. Just as
  - ☒ 3. No sooner
  - ☒ 4. Hardly

Question ID : 65497842968  
Status : Answered  
Chosen Option : 3

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

**Ravenous**

**Ans** ☒ 1. Starved

☐ 2. Satiated

☐ 3. Full

☐ 4. Content

Question ID : 65497843061

Status : **Answered**

Chosen Option : 1

**Q.4** Select the most appropriate **ANTONYM** of the given word.

**Obdurate**

**Ans** ☐ 1. Rigid

☐ 2. Callous

☒ 3. Amenable

☐ 4. Secure

Question ID : 65497842457

Status : **Answered**

Chosen Option : 3

**Q.5** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select option 'No substitution required'.

Often it makes one wonder at the sights you see.

**Ans** ☒ 1. one sees

☐ 2. one see

☐ 3. you saw

☐ 4. No substitution required

Question ID : 65497844168

Status : **Answered**

Chosen Option : 2

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

Place where objects of importance are exhibited

**Ans** ☐ 1. Fair

☐ 2. Exhibition

☐ 3. Treasury

☒ 4. Museum

Question ID : 65497843066

Status : **Answered**

Chosen Option : 4

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

Lacking interest or excitement

- Ans ☒ 1. Despot  
☒ 2. Hostile  
☒ 3. Mundane  
☒ 4. Miserly

Question ID : 65497842966  
Status : Answered  
Chosen Option : 3

**Q.8** Select the INCORRECTLY spelt word.

- Ans ☒ 1. Contemplate  
☒ 2. Cooperate  
☒ 3. Temprate  
☒ 4. Syndicate

Question ID : 65497843068  
Status : Answered  
Chosen Option : 3

**Q.9** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Will you / care for / a cup of / hot coffee?

- Ans ☒ 1. care for  
☒ 2. hot coffee  
☒ 3. Will you  
☒ 4. a cup of

Question ID : 65497843046  
Status : Not Answered  
Chosen Option : --

**Q.10** Select the most appropriate synonym of the given word.

Lull

- Ans ☒ 1. Disturbance  
☒ 2. Activity  
☒ 3. Noise  
☒ 4. Calm

Question ID : 65497842151  
Status : Answered  
Chosen Option : 4

**Q.11** The following sentence has been divided into parts. One of them may contain a grammatical 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.

They had hardly completed / half of the work / than the boss called them.

- Ans**
- ☒ 1. half of the work
  - ☒ 2. No error
  - ☒ 3. They had hardly completed
  - ☒ 4. than the boss called them

Question ID : 65497842441  
Status : Answered  
Chosen Option : 4

**Q.12** Select the most appropriate antonym of the given word.

multiple

- Ans**
- ☒ 1. many
  - ☒ 2. double
  - ☒ 3. single
  - ☒ 4. triple

Question ID : 65497844173  
Status : Answered  
Chosen Option : 3

**Q.13** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

We bought / two dozens / mangoes from / the market.

- Ans**
- ☒ 1. the market
  - ☒ 2. We bought
  - ☒ 3. two dozens
  - ☒ 4. mangoes from

Question ID : 65497843650  
Status : Answered  
Chosen Option : 3

**Q.14** 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. Thus, shared laughter is one of the most effective tools in maintaining healthy relationships.
- B. Emotional sharing builds strong and lasting bonds.
- C. It also helps in healing resentments and hurt.
- D. But sharing laughter brings joy and freshness to relationships.

- Ans**
- ☒ 1. BCAD
  - ☒ 2. DCBA
  - ☒ 3. DCAB
  - ☒ 4. BDCA

Question ID : 65497842150  
Status : Answered  
Chosen Option : 4

**Q.15** 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'.

It is quite difficult to make on what this doctor writes.

- Ans ☒ 1. make out  
☐ 2. make in  
☐ 3. No substitution required  
☐ 4. made on

Question ID : 65497842149  
Status : Answered  
Chosen Option : 1

**Q.16** Select the option that expresses the given sentence in direct speech.

She exclaimed with sorrow that life had become miserable.

- Ans ☐ 1. She said, "Oh! What miserable life has become."  
☒ 2. She said, "Alas! How miserable life has become."  
☐ 3. She said, "How miserable had become life!"  
☐ 4. She said, "Life has become miserable."

Question ID : 65497842450  
Status : Answered  
Chosen Option : 2

**Q.17** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

My friend / who's leg / was fractured, / has recovered.

- Ans ☐ 1. has recovered  
☐ 2. My friend  
☒ 3. who's leg  
☐ 4. was fractured

Question ID : 65497842944  
Status : Answered  
Chosen Option : 3

**Q.18** Select the most appropriate meaning of the given idiom.

Have a change of heart

- Ans ☐ 1. Undergo a surgery  
☒ 2. Change one's opinion  
☐ 3. Fall in love with someone  
☐ 4. Express happiness about something

Question ID : 65497842459  
Status : Answered  
Chosen Option : 2

**Q.19** Select the option that expresses the given sentence in active voice.

**He is given proper guidance by his boss.**

- Ans** ☒ 1. His boss is giving him proper guidance.  
☒ 2. His boss has been giving him proper guidance.  
☒ 3. He gives proper guidance to his boss.  
☒ 4. His boss gives him proper guidance.

Question ID : **65497842139**  
Status : **Answered**  
Chosen Option : **4**

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

**Hold the rope firmly.**

- Ans** ☒ 1. Let the rope hold you firmly.  
☒ 2. Let the rope firmly hold you.  
☒ 3. Let the rope be hold firmly.  
☒ 4. Let the rope be held firmly.

Question ID : **65497843049**  
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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) \_\_\_\_\_ a daily war. The everyday struggle of (2) \_\_\_\_\_ traffic, pollution and rash drivers is (3) \_\_\_\_\_ biggest cause of chronic stress and other (4) \_\_\_\_\_ problems. On an average a person spends (5) \_\_\_\_\_ between thirty minutes to two hours of their day driving.

**SubQuestion No : 21**

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

- Ans** ☒ 1. making  
☒ 2. waging  
☒ 3. raising  
☒ 4. rushing

Question ID : **65497842950**  
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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) \_\_\_\_\_ a daily war. The everyday struggle of (2) \_\_\_\_\_ traffic, pollution and rash drivers is (3) \_\_\_\_\_ biggest cause of chronic stress and other (4) \_\_\_\_\_ problems. On an average a person spends (5) \_\_\_\_\_ between thirty minutes to two hours of their day driving.

**SubQuestion No : 22**

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

Ans ☒ 1. stopping

☒ 2. dodging

☒ 3. boarding

☒ 4. lodging

Question ID : 65497842951

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) \_\_\_\_\_ a daily war. The everyday struggle of (2) \_\_\_\_\_ traffic, pollution and rash drivers is (3) \_\_\_\_\_ biggest cause of chronic stress and other (4) \_\_\_\_\_ problems. On an average a person spends (5) \_\_\_\_\_ between thirty minutes to two hours of their day driving.

**SubQuestion No : 23**

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

Ans ☒ 1. one

☒ 2. the

☒ 3. an

☒ 4. a

Question ID : 65497842952

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) \_\_\_\_\_ a daily war. The everyday struggle of (2) \_\_\_\_\_ traffic, pollution and rash drivers is (3) \_\_\_\_\_ biggest cause of chronic stress and other (4) \_\_\_\_\_ problems. On an average a person spends (5) \_\_\_\_\_ between thirty minutes to two hours of their day driving.

**SubQuestion No : 24**

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

Ans ☒ 1. societal

☒ 2. ecological

☒ 3. psychological

☒ 4. spiritual

Question ID : 65497842953

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) \_\_\_\_\_ a daily war. The everyday struggle of (2) \_\_\_\_\_ traffic, pollution and rash drivers is (3) \_\_\_\_\_ biggest cause of chronic stress and other (4) \_\_\_\_\_ problems. On an average a person spends (5) \_\_\_\_\_ between thirty minutes to two hours of their day driving.

**SubQuestion No : 25**

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

Ans  1. everywhere

 2. nowhere

 3. anywhere

 4. elsewhere

Question ID : **65497842954**

Status : **Answered**

Chosen Option : **3**