

## Combined Graduate Level Examination-2019 (Tier-I)

|                |                                    |
|----------------|------------------------------------|
| Roll Number    |                                    |
| Candidate Name |                                    |
| Venue Name     | iON Digital Zone IDZ Shirsoli Road |
| Exam Date      | 09/03/2020                         |
| Exam Time      | 10:00 AM - 11:00 AM                |
| Subject        | CGLE Tier I                        |

### Section : General Intelligence and Reasoning

**Q.1** Identify the number that does NOT belong to the following series.

2, 6, 14, 30, 62, 126, 250

- Ans
- ☒ 1. 14
  - ☒ 2. 126
  - ☒ 3. 250
  - ☒ 4. 62

Question ID : 816161842

Status : Answered

Chosen Option : 2

**Q.2**  $A + B$  means 'A is the father of B';

$A \times B$  means 'A is the brother of B';

$A \div B$  means 'A is the sister of B'.

Which of the following expressions means 'H is the paternal grandson of P'?

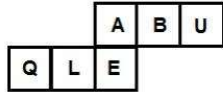
- Ans
- ☒ 1.  $P + K + D \times H \div M$
  - ☒ 2.  $H + K + D \times P \div M$
  - ☒ 3.  $D + H + K \times M \div P$
  - ☒ 4.  $P + K + D \div H \times M$

Question ID : 816161840

Status : Answered

Chosen Option : 1

**Q.3** A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of letters will be on opposite sides?



- Ans 1. Q and E  
 2. A and Q  
 3. L and U  
 4. B and E

Question ID : **816161851**  
 Status : **Answered**  
 Chosen Option : **1**

**Q.4** 60 students participated in one or more of the three competitions, i.e. Quiz, Extempore and Debate. A total of 22 students participated either in Quiz only or in Extempore only. 4 students participated in all three competitions. A total of 14 students participated in any of the two competitions only. How many students participated in Debate only?

- Ans 1. 11  
 2. 20  
 3. 14  
 4. 22

Question ID : **816161848**  
 Status : **Not Attempted and Marked For Review**  
 Chosen Option : **--**

**Q.5** 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:**

1. Some dancers are writers.
2. All writers are students.

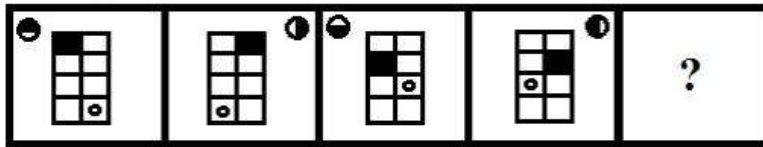
**Conclusions:**

- I. Some students are dancers.
- II. Some students are writers.
- III. No student is a dancer.

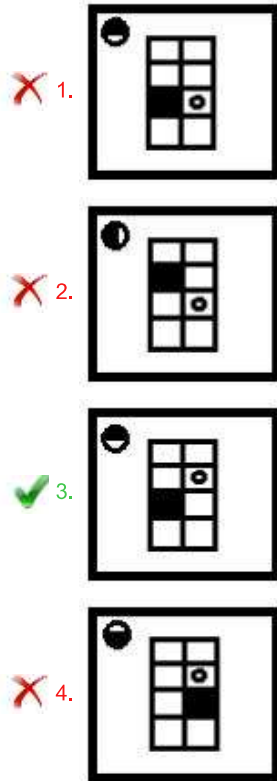
- Ans 1. Either conclusion I or III follows.  
 2. Only conclusions II and III follow.  
 3. Only conclusions I and II follow.  
 4. All conclusions I, II and III follow.

Question ID : **816161841**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.6** Select the figure that can replace the question mark (?) in the following series.



Ans



Question ID : 816161849  
Status : Answered  
Chosen Option : 3

**Q.7** Select the option that is related to the third number in the same way as the second number is related to the first number.





56 : 30 :: 78 : ?

- Ans
- ☒ 1. 61
  - ☒ 2. 56
  - ☒ 3. 50
  - ☒ 4. 53

Question ID : 816161843  
Status : Answered  
Chosen Option : 2





**Q.8** Arrange the following words in the order in which they would appear in an English dictionary.

1. Realistic
2. Realism
3. Restore
4. Research
5. Resurge

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



Question ID : **816161832**  
Status : **Answered**  
Chosen Option : **3**

**Q.9** Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

**Ans**  1. JNQS  
 2. TVXZ  
 3. RSTU  
 4. ADGJ

Question ID : **816161833**  
Status : **Answered**  
Chosen Option : **3**

**Q.10** In a certain code language, 'DRONE' is written as 'SERFO'. How will 'HOUSE' be written as in that language?

**Ans**  1. QJXGB  
 2. PIXFT  
 3. PQWGS  
 4. PIVFT

Question ID : **816161837**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : **--**

Q.11 Select the letter-cluster that can replace the question mark (?) in the following series.

DJQC, ELTG, FNWK, GPZO, ?

- Ans
- ☒ 1. HRBU
  - ☒ 2. HRCS
  - ☒ 3. HQCT
  - ☒ 4. GRDS

Question ID : 816161839

Status : Answered

Chosen Option : 2

Q.12 Select the option in which the words share the same relationship as that shared by the given pair of words.

Audition : Selection

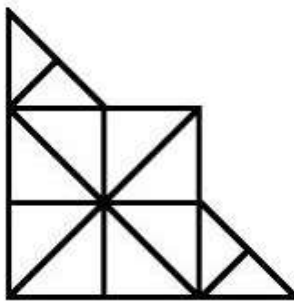
- Ans
- ☒ 1. Loyalty : Fraud
  - ☒ 2. Examination : Pass
  - ☒ 3. Machine : Fault
  - ☒ 4. Competition : Poem

Question ID : 816161836

Status : Answered

Chosen Option : 2

Q.13 How many triangles are there in the given figure?



- Ans
- ☒ 1. 23
  - ☒ 2. 22
  - ☒ 3. 24
  - ☒ 4. 21

Question ID : 816161850

Status : Not Answered

Chosen Option : --

**Q.14** If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition' and 'D' stands for 'division', then what is the value of the following expression?

32 B 4 A 12 B (35 A 24) C 52 D 4

- Ans
- ☒ 1. 47
  - ☒ 2. 39
  - ☒ 3. 19
  - ☒ 4. 9

Question ID : 816161847

Status : Answered

Chosen Option : 4

**Q.15** Select the letter that can replace the question mark (?) in the following series.

Y, R, L, G, ?, Z

- Ans
- ☒ 1. E
  - ☒ 2. F
  - ☒ 3. C
  - ☒ 4. D

Question ID : 816161831

Status : Answered

Chosen Option : 3

**Q.16** Select the option in which the given figure is embedded (rotation is not allowed).

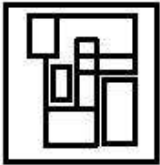


**Ans**

☒ 1.



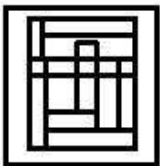
☒ 2.



☒ 3.



☒ 4.



Question ID : 816161852

Status : Answered

Chosen Option : 3

**Q.17** In a certain code language, 'POUND' is coded as '106' and 'CLEAN' is coded as '41'. How will 'MAKER' be coded as in that language?

**Ans** ☒ 1. 112

☒ 2. 78

☒ 3. 50

☒ 4. 54

Question ID : 816161838

Status : Not Attempted and  
Marked For Review

Chosen Option : --

**Q.18** Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

- Ans
- ☒ 1. 37 : 266
  - ☒ 2. 53 : 378
  - ☒ 3. 45 : 322
  - ☒ 4. 43 : 318

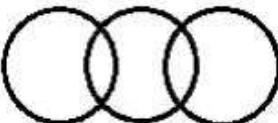
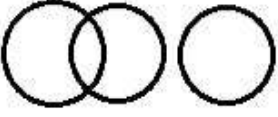
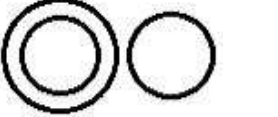
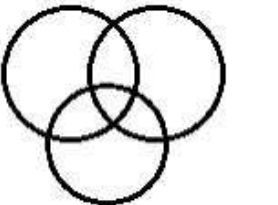
Question ID : 816161844

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.19** Which of the following Venn diagrams best represents the relationship between the classes?  
Tables, Wooden objects, Chairs

Ans

- ☒ 1. 
- ☒ 2. 
- ☒ 3. 
- ☒ 4. 

Question ID : 816161855

Status : **Answered**

Chosen Option : 1

**Q.20** Select the option in which the numbers are related in the same way as are the numbers in the given set.

(88, 60, 37)

- Ans
- ☒ 1. (56, 38, 28)
  - ☒ 2. (36, 70, 38)
  - ☒ 3. (94, 42, 34)
  - ☒ 4. (43, 49, 27)

Question ID : 816161845

Status : **Not Attempted and Marked For Review**

Chosen Option : --



**Q.21** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

|    |    |    |
|----|----|----|
| 11 | 12 | 18 |
| 4  | 5  | 6  |
| 57 | 19 | ?  |

- Ans
-  1. 55
  -  2. 69
  -  3. 205
  -  4. 108





Question ID : 816161846

Status : Not Attempted and  
Marked For Review

Chosen Option : --

**Q.22** Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

R Q B K H N T

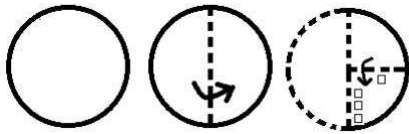
- Ans
-  1. T I N H K B Q R
  -  2. T N H K B Q R
  -  3. B Q B K H N T
  -  4. T I N H K B Q R

Question ID : 816161853

Status : Answered

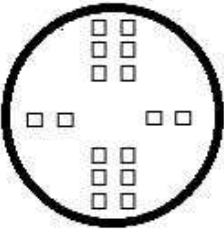
Chosen Option : 4

**Q.23** A piece of paper is folded and cut as shown below in the question figures, how it will appear when unfolded?

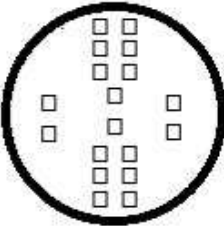


Ans

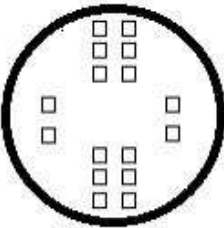
✗ 1.



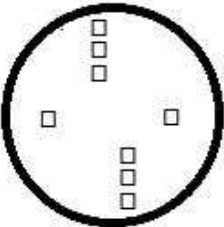
✗ 2.



✓ 3.



✗ 4.



Question ID : 816161854

Status : Answered

Chosen Option : 3

**Q.24** Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans ✗ 1. Volume

✓ 2. Gallon

✗ 3. Weight

✗ 4. Distance

Question ID : 816161834

Status : Answered

Chosen Option : 2

Q.25 'Ethiopia' is related to 'Africa' in the same way as 'Brazil' is related to '\_\_\_\_\_'.  
Ans

- ☒ 1. Africa
- ☒ 2. Brasilia
- ☒ 3. North America
- ☒ 4. South America

Question ID : 816161835  
Status : Answered  
Chosen Option : 4

Section : General Awareness

Q.1 The Paithan Hydro - Electric Project is on river \_\_\_\_\_.

- Ans
- ☒ 1. Brahmaputra
  - ☒ 2. Yamuna
  - ☒ 3. Narmada
  - ☒ 4. Godavari

Question ID : 816161865  
Status : Not Answered  
Chosen Option : --

Q.2 Who designed the logo for Lokpal in India?

- Ans
- ☒ 1. B.P. Raju
  - ☒ 2. Prashant Mishra
  - ☒ 3. Deepak Punia
  - ☒ 4. Kamareddy

Question ID : 816161874  
Status : Not Answered  
Chosen Option : --

Q.3 The India Meteorological Department (IMD) celebrated its \_\_\_\_\_ foundation day on January 15, 2020.

- Ans
- ☒ 1. 145th
  - ☒ 2. 139th
  - ☒ 3. 135th
  - ☒ 4. 140th

Question ID : 816161879  
Status : Not Answered  
Chosen Option : --

**Q.4 What does GNP stand for?**

- Ans
- ☒ 1. Gramin Nigam Parishad
  - ☒ 2. Gramin Nisak Praman
  - ☒ 3. Gross National Product
  - ☒ 4. Gross National Produce

Question ID : 816161859

Status : Not Answered

Chosen Option : --

**Q.5 Which of the following years is called the Year of the Great Divide in the demographic history of India?**

- Ans
- ☒ 1. 1921
  - ☒ 2. 1931
  - ☒ 3. 1951
  - ☒ 4. 1911

Question ID : 816161867

Status : Not Answered

Chosen Option : --

**Q.6 In which year did the Portuguese capture Goa?**

- Ans
- ☒ 1. 1610 AD
  - ☒ 2. 1475 AD
  - ☒ 3. 1540 AD
  - ☒ 4. 1510 AD

Question ID : 816161868

Status : Not Answered

Chosen Option : --

**Q.7 Name the author of the book 'Ain-i-Akbari'?**

- Ans
- ☒ 1. Todar Mal
  - ☒ 2. Abu'l Fazl
  - ☒ 3. Dara Shikoh
  - ☒ 4. Abdul Rahim Khan-I-Khana

Question ID : 816161871

Status : Not Answered

Chosen Option : --

**Q.8 Protium, deuterium and tritium are the naturally occurring isotopes of:**

- Ans
- ☒ 1. nitrogen
  - ☒ 2. hydrogen
  - ☒ 3. carbon
  - ☒ 4. gold

Question ID : **816161861**  
Status : **Answered**  
Chosen Option : **2**

**Q.9 Name the Indian equestrian to qualify for the Tokyo Olympics officially after a wait / span of two decades.**

- Ans
- ☒ 1. Ghulam Mohammed Khan
  - ☒ 2. Raghbir Singh
  - ☒ 3. Fouaad Mirza
  - ☒ 4. Bishal Singh

Question ID : **816161876**  
Status : **Not Answered**  
Chosen Option : --

**Q.10 What is the yellow dust present in the middle of a flower called?**

- Ans
- ☒ 1. Zygote
  - ☒ 2. Pollen
  - ☒ 3. Stomata
  - ☒ 4. Sperm

Question ID : **816161860**  
Status : **Answered**  
Chosen Option : **2**

**Q.11 In which of the following is citric acid present?**

- Ans
- ☒ 1. Tamarind
  - ☒ 2. Lemon
  - ☒ 3. Black Gram
  - ☒ 4. Curd

Question ID : **816161862**  
Status : **Answered**  
Chosen Option : **2**

**Q.12 Who launched the first phase of the Mumbai Trans Harbour Link (MTHL) on 15th January 2020?**

- Ans
- ☒ 1. Ajit Pawar
  - ☒ 2. Devendra Fadnavis
  - ☒ 3. Narendra Modi
  - ☒ 4. Uddhav Thackeray

Question ID : 816161878  
Status : Not Answered  
Chosen Option : --

**Q.13 \_\_\_\_\_ are called the 'Powerhouses' of the cell.**

- Ans
- ☒ 1. Lungs
  - ☒ 2. Pituitary glands
  - ☒ 3. Arteries
  - ☒ 4. Mitochondria

Question ID : 816161863  
Status : Answered  
Chosen Option : 4

**Q.14 In which year was the first Round Table Conference held in London?**

- Ans
- ☒ 1. 1907
  - ☒ 2. 1930
  - ☒ 3. 1919
  - ☒ 4. 1923

Question ID : 816161870  
Status : Answered  
Chosen Option : 3

**Q.15 The Legislative Assembly of which state adopted a new logo on the 9th January 2020?**

- Ans
- ☒ 1. Tripura
  - ☒ 2. Assam
  - ☒ 3. Andhra Pradesh
  - ☒ 4. Arunachal Pradesh

Question ID : 816161880  
Status : Not Answered  
Chosen Option : --

**Q.16 Name the first actor to win the Oscar Awards.**

- Ans ☒ 1. Emil Jannings  
☐ 2. Warner Baxter  
☐ 3. Charlie Chaplin  
☐ 4. Lionel Barrymore

Question ID : **816161873**  
Status : **Not Answered**  
Chosen Option : --

**Q.17 Shaukat Kaifi passed away in 2019. She was the mother of which famous actress?**

- Ans ☐ 1. Dia Mirza  
☒ 2. Shabana Azmi  
☐ 3. Fatima Sana Shaikh  
☐ 4. Urmila Matondkar

Question ID : **816161872**  
Status : **Not Answered**  
Chosen Option : --

**Q.18 What does the writ of 'Mandamus' mean?**

- Ans ☐ 1. To be Certified  
☒ 2. We Command  
☐ 3. You May Have the Body  
☐ 4. By What Warrants

Question ID : **816161875**  
Status : **Answered**  
Chosen Option : 2

**Q.19 On which country has the World Anti-doping Agency recently imposed a 4-year ban?**

- Ans ☒ 1. Russia  
☐ 2. Pakistan  
☐ 3. Brazil  
☐ 4. China

Question ID : **816161877**  
Status : **Not Answered**  
Chosen Option : --

**Q.20 Deficiency of which of the following vitamins causes Night Blindness?**

- Ans
- ☐ 1. Vitamin B
  - ☐ 2. Vitamin D
  - ☐ 3. Vitamin C
  - ☒ 4. Vitamin A

Question ID : **816161864**  
Status : **Answered**  
Chosen Option : **4**

**Q.21 What is the pass at the southern end of the Nilgiri hills called?**

- Ans
- ☐ 1. Chorla ghat pass
  - ☐ 2. Malshej ghat pass
  - ☒ 3. Palakkad gap
  - ☐ 4. Goran ghat pass

Question ID : **816161866**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.22 Jai Prakash Narayan Museum of Socialism is situated in:**

- Ans
- ☐ 1. Vadodara
  - ☐ 2. New Delhi
  - ☒ 3. Lucknow
  - ☐ 4. Amritsar

Question ID : **816161856**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.23 Which of the following Acts was amended to provide a statutory basis for the implementation of the flexible inflation targeting (FIT) framework?**

- Ans
- ☐ 1. The Industrial Finance Corporation of India Act, 1948
  - ☐ 2. Banking Regulation Act, 1949
  - ☒ 3. Reserve Bank of India (RBI) Act, 1934
  - ☐ 4. Deposit Insurance and Credit Guarantee Corporation Act, 1961

Question ID : **816161858**  
Status : **Not Answered**  
Chosen Option : **--**



**Q.24** Fatehabad district derives its name from the eponymous headquarters town founded by \_\_\_\_\_ in the 14th century, who named it after his son Fateh Khan.

- Ans
- ☒ 1. Ghiyasuddin Tughlaq
  - ☒ 2. Firoz Shah Tughlaq
  - ☒ 3. Humayun
  - ☒ 4. Allauddin Khilji

Question ID : 816161869

Status : Not Answered

Chosen Option : --

**Q.25** The wood of which of the following trees is used to make the large plucked string instrument used in Carnatic classical music known as Bobbili Veena / Saraswathi Veena?

- Ans
- ☒ 1. Walnut wood
  - ☒ 2. Jackfruit wood
  - ☒ 3. Teak wood
  - ☒ 4. Sandal wood

Question ID : 816161857

Status : Not Answered

Chosen Option : --

Section : Quantitative Aptitude

**Q.1** Ram makes a profit of 30% by selling an article. What would be the profit percent if it were calculated on the selling price instead of the cost price? (Correct to one decimal place)

- Ans
- ☒ 1. 22.4 %
  - ☒ 2. 23.1 %
  - ☒ 3. 20.1 %
  - ☒ 4. 24.2 %

Question ID : 816161886

Status : Answered

Chosen Option : 2

**Q.2** Ram and Shyam can complete a task in  $6\frac{2}{3}$  days and 15 days, respectively. They work together for 4 days, and then Ram leaves. In how many days after Ram leaves, will Shyam complete the remaining task alone?

- Ans
- ☒ 1.  $1\frac{1}{2}$  days
  - ☒ 2. 3 days
  - ☒ 3. 4 days
  - ☒ 4. 2 days

Question ID : 816161889

Status : Answered

Chosen Option : 4

- Q.3** The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

| State | Year     |            |          |            |          |            |          |            |          |            |
|-------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
|       | 1997     |            | 1998     |            | 1999     |            | 2000     |            | 2001     |            |
|       | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. |
| M     | 5200     | 720        | 8500     | 980        | 7400     | 850        | 6800     | 775        | 9500     | 1125       |
| N     | 7500     | 840        | 9200     | 1050       | 8450     | 920        | 9200     | 980        | 8800     | 1020       |
| P     | 6400     | 780        | 8800     | 1020       | 7800     | 890        | 8750     | 1010       | 9750     | 1250       |
| Q     | 8100     | 950        | 9500     | 1240       | 8700     | 980        | 9700     | 1200       | 8950     | 995        |

The total number of candidates that qualified from all the states together in 1998 is approximately what percentage of the total number of candidates that qualified from all the states together in 2001? (Correct to Two decimal points)

- Ans ☒ 1. 94.7%  
☒ 2. 97.72%  
☒ 3. 90.72%  
☒ 4. 96.70%

Question ID : 816161904

Status : Answered

Chosen Option : 2

- Q.4** If  $A + B = 12$  and  $AB = 17$ , what is the value of  $A^3 + B^3$ ?

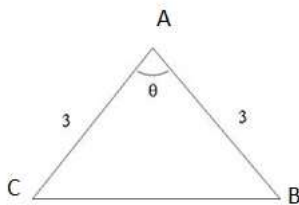
- Ans ☒ 1. 1116  
☒ 2. 1166  
☒ 3. 1106  
☒ 4. 1213

Question ID : 816161894

Status : Answered

Chosen Option : 1

- Q.5** In the given figure  $\triangle ABC$ , if  $\theta = 80^\circ$ , the measure of each of the other two angles will be:



- Ans ☒ 1.  $60^\circ$   
☒ 2.  $40^\circ$   
☒ 3.  $50^\circ$   
☒ 4.  $80^\circ$

Question ID : 816161897

Status : Answered

Chosen Option : 3

Q.6 If  $3A = 4B = 5C$ , then  $A : B : C$  is equal to:

- Ans
- ☐ 1.  $10 : 5 : 4$
  - ☐ 2.  $10 : 7 : 6$
  - ☐ 3.  $20 : 15 : 16$
  - ☒ 4.  $20 : 15 : 12$

Question ID : 816161887

Status : Answered

Chosen Option : 4

Q.7 What is the area of a sector of a circle of radius 14 cm and central angle  $45^\circ$ ?

$\left( \text{Take } \pi = \frac{22}{7} \right)$

- Ans
- ☐ 1.  $70 \text{ cm}^2$
  - ☒ 2.  $77 \text{ cm}^2$
  - ☐ 3.  $11 \text{ cm}^2$
  - ☐ 4.  $67 \text{ cm}^2$

Question ID : 816161895

Status : Answered

Chosen Option : 2

Q.8 The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

| State | Year     |            |          |            |          |            |          |            |          |            |
|-------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
|       | 1997     |            | 1998     |            | 1999     |            | 2000     |            | 2001     |            |
|       | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. |
| M     | 5200     | 720        | 8500     | 980        | 7400     | 850        | 6800     | 775        | 9500     | 1125       |
| N     | 7500     | 840        | 9200     | 1050       | 8450     | 920        | 9200     | 980        | 8800     | 1020       |
| P     | 6400     | 780        | 8800     | 1020       | 7800     | 890        | 8750     | 1010       | 9750     | 1250       |
| Q     | 8100     | 950        | 9500     | 1240       | 8700     | 980        | 9700     | 1200       | 8950     | 995        |

What is the difference between the number of candidates qualifying in the year 1998, in the states M and P?

- Ans
- ☒ 1. 40
  - ☐ 2. 50
  - ☐ 3. 44
  - ☐ 4. 60

Question ID : 816161902

Status : Answered

Chosen Option : 1

**Q.9** The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

| State | Year     |            |          |            |          |            |          |            |          |            |
|-------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
|       | 1997     |            | 1998     |            | 1999     |            | 2000     |            | 2001     |            |
|       | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. |
| M     | 5200     | 720        | 8500     | 980        | 7400     | 850        | 6800     | 775        | 9500     | 1125       |
| N     | 7500     | 840        | 9200     | 1050       | 8450     | 920        | 9200     | 980        | 8800     | 1020       |
| P     | 6400     | 780        | 8800     | 1020       | 7800     | 890        | 8750     | 1010       | 9750     | 1250       |
| Q     | 8100     | 950        | 9500     | 1240       | 8700     | 980        | 9700     | 1200       | 8950     | 995        |

What is the average number of candidates that appeared from State Q during the given years?

- Ans**
-  1. 8880
  -  2. 9000
  -  3. 8990
  -  4. 8980

Question ID : **816161905**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.10** Ravi scores 72% marks in examinations. If these are 360 marks, then the maximum marks are:

- Ans**
-  1. 500
  -  2. 450
  -  3. 400
  -  4. 350

Question ID : **816161885**  
 Status : **Answered**  
 Chosen Option : **1**

**Q.11** The average age of A, B and C is 20 years, and that of B and C is 25 years. What is the age of A?

- Ans**
-  1. 25 years
  -  2. 10 years
  -  3. 15 years
  -  4. 20 years

Question ID : **816161883**  
 Status : **Answered**  
 Chosen Option : **2**

**Q.12** The single discount equivalent to two successive discounts of 20% and 15% is:

- Ans
- ☒ 1. 28%
  - ☒ 2. 30%
  - ☒ 3. 32%
  - ☒ 4. 22%

Question ID : 816161884  
Status : Answered  
Chosen Option : 3

**Q.13** What is the smallest integer that is a multiple of 5, 8 and 15?

- Ans
- ☒ 1. 600
  - ☒ 2. 120
  - ☒ 3. 60
  - ☒ 4. 40

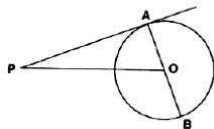
Question ID : 816161881  
Status : Answered  
Chosen Option : 2

**Q.14** The simple interest on a sum of money for 3 years at an interest rate of 6% p.a. is ₹6,750. What will be the compound interest rounded off on the same sum at the same rate for the same period, compounded annually is closest to :

- Ans
- ☒ 1. ₹7,133
  - ☒ 2. ₹7,163
  - ☒ 3. ₹7,103
  - ☒ 4. ₹7,663

Question ID : 816161888  
Status : Answered  
Chosen Option : 2

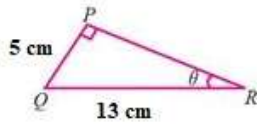
**Q.15** In the figure, PA is a tangent from an external point P to the circle with centre O. If  $\angle POB = 110^\circ$ , then the measure of  $\angle APO$  is:



- Ans
- ☒ 1.  $25^\circ$
  - ☒ 2.  $40^\circ$
  - ☒ 3.  $20^\circ$
  - ☒ 4.  $30^\circ$

Question ID : 816161896  
Status : Answered  
Chosen Option : 3

Q.16 In the right triangle shown in the figure ,what is the value of  $\operatorname{cosec}\theta$ ?



- Ans
- ☒ 1.  $\frac{13}{5}$
  - ☐ 2.  $\frac{5}{13}$
  - ☐ 3.  $\frac{5}{11}$
  - ☐ 4.  $\frac{12}{13}$

Question ID : 816161900  
Status : Answered  
Chosen Option : 1

Q.17 Triangle PDC is drawn inside the square ABCD of side 24 cm where P lies on AB. What is the area of the triangle?

- Ans
- ☐ 1.  $280 \text{ cm}^2$
  - ☒ 2.  $288 \text{ cm}^2$
  - ☐ 3.  $200 \text{ cm}^2$
  - ☐ 4.  $298 \text{ cm}^2$

Question ID : 816161898  
Status : Answered  
Chosen Option : 2

Q.18 The value of  $1800 \div 20 \times \{(12 - 6) + (24 - 12)\}$  is:

- Ans
- ☐ 1. 2720
  - ☐ 2. 840
  - ☐ 3. 1720
  - ☒ 4. 1620

Question ID : 816161882  
Status : Answered  
Chosen Option : 4

Q.19  $(3a - 4b)^3$  is equal to:

- Ans
- ☒ 1.  $9a^2 - 16b^2$
  - ☒ 2.  $27a^3 - 64b^3 - 108a^2b + 144ab^2$
  - ☒ 3.  $27a^3 - 64b^3$
  - ☒ 4.  $9a^2 - 24ab + 16b^2$

Question ID : 816161893  
Status : Answered  
Chosen Option : 2

Q.20 Expand:  $(4a + 3b + 2c)^2$

- Ans
- ☒ 1.  $16a^2 - 9b^2 + 4c^2 - 24ab + 12bc - 16ca$
  - ☒ 2.  $16a^2 + 9b^2 + 4c^2 + 24ab + 12bc + 16ca$
  - ☒ 3.  $4a^2 + 3b^2 + 2c^2 + 24ab + 12bc + 16ca$
  - ☒ 4.  $16a^2 + 9b^2 + 4c^2 - 24ab - 12bc - 16ca$

Question ID : 816161892  
Status : Answered  
Chosen Option : 2

Q.21 The length, breadth and height of a cuboidal box are in the ratio 7 : 5 : 3 and its whole surface area is  $27832 \text{ cm}^2$ . Its volume is:


- Ans
- ☒ 1.  $288120 \text{ cm}^3$
  - ☒ 2.  $280120 \text{ cm}^3$
  - ☒ 3.  $208120 \text{ cm}^3$
  - ☒ 4.  $288100 \text{ cm}^3$


Question ID : 816161891  
Status : Answered  
Chosen Option : 1





**Q.22** If  $6\tan\theta - 5\sqrt{3}\sec\theta + 12\cot\theta = 0$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $(\operatorname{cosec}\theta + \sec\theta)$  is:

Ans

 1.  $\frac{3 + 2\sqrt{3}}{2}$

 2.  $\frac{2(3 + 2\sqrt{3})}{3}$

 3.  $\frac{2}{3}(3 + \sqrt{3})$

 4.  $\frac{3 + \sqrt{3}}{2}$

Question ID : 816161899

Status : **Not Attempted and Marked For Review**

Chosen Option : --


**Q.23** The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

| State | Year     |            |          |            |          |            |          |            |          |            |
|-------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
|       | 1997     |            | 1998     |            | 1999     |            | 2000     |            | 2001     |            |
|       | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. | Appeared | Qualified. |
| M     | 5200     | 720        | 8500     | 980        | 7400     | 850        | 6800     | 775        | 9500     | 1125       |
| N     | 7500     | 840        | 9200     | 1050       | 8450     | 920        | 9200     | 980        | 8800     | 1020       |
| P     | 6400     | 780        | 8800     | 1020       | 7800     | 890        | 8750     | 1010       | 9750     | 1250       |
| Q     | 8100     | 950        | 9500     | 1240       | 8700     | 980        | 9700     | 1200       | 8950     | 995        |

What was the total number of candidates appearing from all the states in the year 1997?

Ans  1. 27,000

 2. 72,200

 3. 27,200

 4. 22,700


Question ID : 816161903


Status : **Answered**


Chosen Option : 3

**Q.24** Seema flies a kite on a 16 m string at an inclination of  $60^\circ$ . What is the height (h) of the kite above the ground?

Ans  1.  $4\sqrt{3}$  m

 2.  $8\sqrt{3}$  m

 3.  $6\sqrt{3}$  m

 4.  $16\sqrt{3}$  m

Question ID : 816161901

Status : **Answered**

Chosen Option : 2



**Q.25** X and Y are two stations which are 280 km apart. A train starts at a certain time from X and travels towards Y at 60 km/h. After 2 hours, another train starts from Y and travels towards X at 20 km/h. After how many hours does the train leaving from X meets the train which left from Y?

- Ans
- ☒ 1. 2 hours
  - ☒ 2. 6 hours
  - ☒ 3. 3 hours
  - ☒ 4. 4 hours

Question ID : **816161890**  
Status : **Answered**  
Chosen Option : **4**

Section : **English Comprehension**

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

**Solemn**

- Ans
- ☒ 1. Furious
  - ☒ 2. Ignorant
  - ☒ 3. Serious
  - ☒ 4. Ordinary

Question ID : **816161920**  
Status : **Answered**  
Chosen Option : **3**

**Q.2** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

You will not learn cycling unless you don't try.

- Ans
- ☒ 1. unless you try
  - ☒ 2. until you are not trying
  - ☒ 3. until you don't try
  - ☒ 4. unless you didn't try

Question ID : **816161911**  
Status : **Answered**  
Chosen Option : **1**

**Q.3** Select the most appropriate meaning of the given idiom.

**Kill two birds with one stone**

- Ans
- ☒ 1. To achieve two results with a single effort
  - ☒ 2. To try something impossible
  - ☒ 3. To be an expert shooter
  - ☒ 4. To plan two murders simultaneously

Question ID : **816161925**  
Status : **Answered**  
Chosen Option : **1**

**Q.4 Select the correct passive form of the given sentence.**

**Fortunately, the fire did not cause much damage.**

- Ans
- ☒ 1. Fortunately, not much damage is caused by the fire.
  - ☒ 2. Fortunately, not much damage was caused by the fire.
  - ☒ 3. Fortunately, not much damage is being caused by the fire.
  - ☒ 4. Fortunately, not much damage was being caused by the fire.

Question ID : **816161908**  
Status : **Answered**  
Chosen Option : **2**

**Q.5 Select the correct indirect form of the given sentence.**

**Rahul said to his mother, "Can I go out and play now?"**

- Ans
- ☒ 1. Rahul asked his mother if can he go out and play now.
  - ☒ 2. Rahul asked his mother that could he go out and play then.
  - ☒ 3. Rahul asked to his mother could he go out and play now.
  - ☒ 4. Rahul asked his mother if he could go out and play then.

Question ID : **816161909**  
Status : **Answered**  
Chosen Option : **4**

**Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**

**Our new office will become operational from a weeks time.**

- Ans
- ☒ 1. in a week's time
  - ☒ 2. No improvement
  - ☒ 3. by the week's time
  - ☒ 4. for a weeks time

Question ID : **816161910**  
Status : **Answered**  
Chosen Option : **1**

**Comprehension:**

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

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)\_\_\_\_\_ damage to environment. In order to attract more tourists, (2)\_\_\_\_\_ resorts are built which take neither the local architecture (3)\_\_\_\_\_ the ecology into consideration. Natural systems get (4)\_\_\_\_\_ as a result of indiscriminate construction to provide water (5)\_\_\_\_\_ waste disposal facilities along with recreational arrangements to tourists.

**SubQuestion No : 7**

**Q.7** Select the most appropriate option to fill in blank number (1).

- Ans
- ☒ 1. an
  - ☒ 2. one
  - ☒ 3. a
  - ☒ 4. the

Question ID : 816161913

Status : Answered

Chosen Option : 4

**Comprehension:**

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

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)\_\_\_\_\_ damage to environment. In order to attract more tourists, (2)\_\_\_\_\_ resorts are built which take neither the local architecture (3)\_\_\_\_\_ the ecology into consideration. Natural systems get (4)\_\_\_\_\_ as a result of indiscriminate construction to provide water (5)\_\_\_\_\_ waste disposal facilities along with recreational arrangements to tourists.

**SubQuestion No : 8**

**Q.8** Select the most appropriate option to fill in blank number (2).

- Ans
- ☒ 1. sprawling
  - ☒ 2. scheming
  - ☒ 3. spreading
  - ☒ 4. stretching

Question ID : 816161914

Status : Answered

Chosen Option : 1





**Comprehension:**

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

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)\_\_\_\_\_ damage to environment. In order to attract more tourists, (2)\_\_\_\_\_ resorts are built which take neither the local architecture (3)\_\_\_\_\_ the ecology into consideration. Natural systems get (4)\_\_\_\_\_ as a result of indiscriminate construction to provide water (5)\_\_\_\_\_ waste disposal facilities along with recreational arrangements to tourists.

**SubQuestion No : 9**

**Q.9** Select the most appropriate option to fill in blank number (3).

- Ans  1. none  
 2. no  
 3. nor  
 4. or

Question ID : 816161915

Status : Answered

Chosen Option : 3


**Comprehension:**

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

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)\_\_\_\_\_ damage to environment. In order to attract more tourists, (2)\_\_\_\_\_ resorts are built which take neither the local architecture (3)\_\_\_\_\_ the ecology into consideration. Natural systems get (4)\_\_\_\_\_ as a result of indiscriminate construction to provide water (5)\_\_\_\_\_ waste disposal facilities along with recreational arrangements to tourists.

**SubQuestion No : 10**

**Q.10** Select the most appropriate option to fill in blank number (4).

- Ans  1. destroyed  
 2. distracted  
 3. dismayed  
 4. displayed

Question ID : 816161916

Status : Answered

Chosen Option : 1

**Comprehension:**

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

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)\_\_\_\_\_ damage to environment. In order to attract more tourists, (2)\_\_\_\_\_ resorts are built which take neither the local architecture (3)\_\_\_\_\_ the ecology into consideration. Natural systems get (4)\_\_\_\_\_ as a result of indiscriminate construction to provide water (5)\_\_\_\_\_ waste disposal facilities along with recreational arrangements to tourists.

**SubQuestion No : 11**

**Q.11** Select the most appropriate option to fill in blank number (5).

- Ans ☒ 1. and  
☐ 2. but  
☐ 3. also  
☐ 4. as

Question ID : 816161917

Status : Answered

Chosen Option : 1

**Q.12** Select the word which means the same as the group of words given.

Central character in a story or play

- Ans ☐ 1. Hedonist  
☐ 2. Cartoonist  
☒ 3. Protagonist  
☐ 4. Opportunist

Question ID : 816161927

Status : Answered

Chosen Option : 3

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

Eradicate

- Ans ☐ 1. Condense  
☐ 2. Approve  
☐ 3. Magnify  
☒ 4. Uproot

Question ID : 816161921

Status : Answered

Chosen Option : 4

**Q.14** Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. These baits were temptations that people couldn't resist.
- B. He evolved a theory that the world was a rat-trap.
- C. Once, a peddler sat looking at his rat-traps.
- D. Here, people lay baits for others.

- Ans
- ☒ 1. BDAC
  - ☒ 2. CADB
  - ☒ 3. DACB
  - ☒ 4. CBDA

Question ID : 816161918

Status : Answered

Chosen Option : 4

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

Make off with

- Ans
- ☒ 1. To run away
  - ☒ 2. To transfer
  - ☒ 3. To discover
  - ☒ 4. To understand

Question ID : 816161924

Status : Answered

Chosen Option : 4

**Q.16** In the sentence identify the segment which contains the grammatical error.

If a few drops of lemon are put in the milk, it has turned sour.

- Ans
- ☒ 1. it has turned sour
  - ☒ 2. drops of lemon
  - ☒ 3. If a few
  - ☒ 4. are put in the milk

Question ID : 816161907

Status : Answered

Chosen Option : 1

**Q.17** Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Potraite
  - ☒ 2. Pageant
  - ☒ 3. Pamphlet
  - ☒ 4. Persevere

Question ID : 816161929

Status : Answered

Chosen Option : 1

**Q.18 Fill in the blank with the most appropriate word.**

Do you want to \_\_\_\_\_ to Reader's Digest magazine?

- Ans
- ☒ 1. transcribe
  - ☒ 2. describe
  - ☒ 3. subscribe
  - ☒ 4. prescribe

Question ID : **816161931**  
Status : **Answered**  
Chosen Option : **3**

**Q.19 Select the INCORRECTLY spelt word.**

- Ans
- ☒ 1. Failure
  - ☒ 2. Furious
  - ☒ 3. Journy
  - ☒ 4. Delicious

Question ID : **816161928**  
Status : **Answered**  
Chosen Option : **3**

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

Rear

- Ans
- ☒ 1. Lower
  - ☒ 2. Front
  - ☒ 3. Hind
  - ☒ 4. Back

Question ID : **816161922**  
Status : **Answered**  
Chosen Option : **2**

**Q.21 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.**

- A. Their prestige and glory spread far and wide.
- B. The first Olympics were held at Olympia in Greece in 776 B.C.
- C. It was because the Christians believed that they encouraged pagan worship in temples.
- D. However, with the advent of Christianity, the games lost their importance.

- Ans
- ☒ 1. DCAB
  - ☒ 2. BADC
  - ☒ 3. BCDA
  - ☒ 4. ACDB

Question ID : **816161919**  
Status : **Answered**  
Chosen Option : **2**

**Q.22 Select the most appropriate ANTONYM of the given word.**

**Persuade**

- Ans ☒ 1. Dissuade  
☐ 2. Pervade  
☐ 3. Induce  
☐ 4. Impress

Question ID : 816161923

Status : Not Answered

Chosen Option : --

**Q.23 Select the word which means the same as the group of words given.**

**Person or animal living on another**

- Ans ☒ 1. Parasite  
☐ 2. Pupil  
☐ 3. Heir  
☐ 4. Successor

Question ID : 816161926

Status : Answered

Chosen Option : 1

**Q.24 In the sentence identify the segment which contains the grammatical error.**

**Mohit did not went to school yesterday as he was unwell.**

- Ans ☐ 1. yesterday as he  
☐ 2. was unwell  
☐ 3. Mohit did not  
☒ 4. went to school

Question ID : 816161906

Status : Answered

Chosen Option : 4

**Q.25 Fill in the blank with the most appropriate word.**

**Your demands are bound to lead to \_\_\_\_\_ in the family.**

- Ans ☐ 1. absence  
☒ 2. discord  
☐ 3. decrease  
☐ 4. barrier

Question ID : 816161930

Status : Answered

Chosen Option : 2