

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

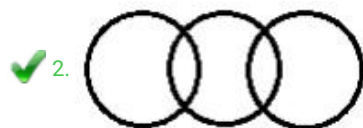
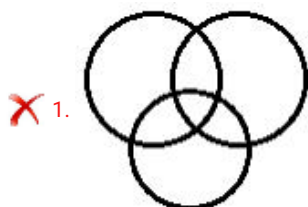
Roll Number	
Candidate Name	
Venue Name	
Exam Date	09/03/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CGLE Tier I

### Section : General Intelligence and Reasoning

Q.1 Which of the following Venn diagrams best represents the relationship between the classes?

Tables, Wooden objects, Chairs

Ans



Question ID : 816161855

Status : Answered

Chosen Option : 2

Q.2 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. RSTU

✗ 2. TVXZ

✗ 3. ADGJ

✓ 4. JNQS

Question ID : 816161833

Status : Answered

Chosen Option : 4

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**Q.3** 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. 39
  - ☒ 2. 19
  - ☒ 3. 9
  - ☒ 4. 47

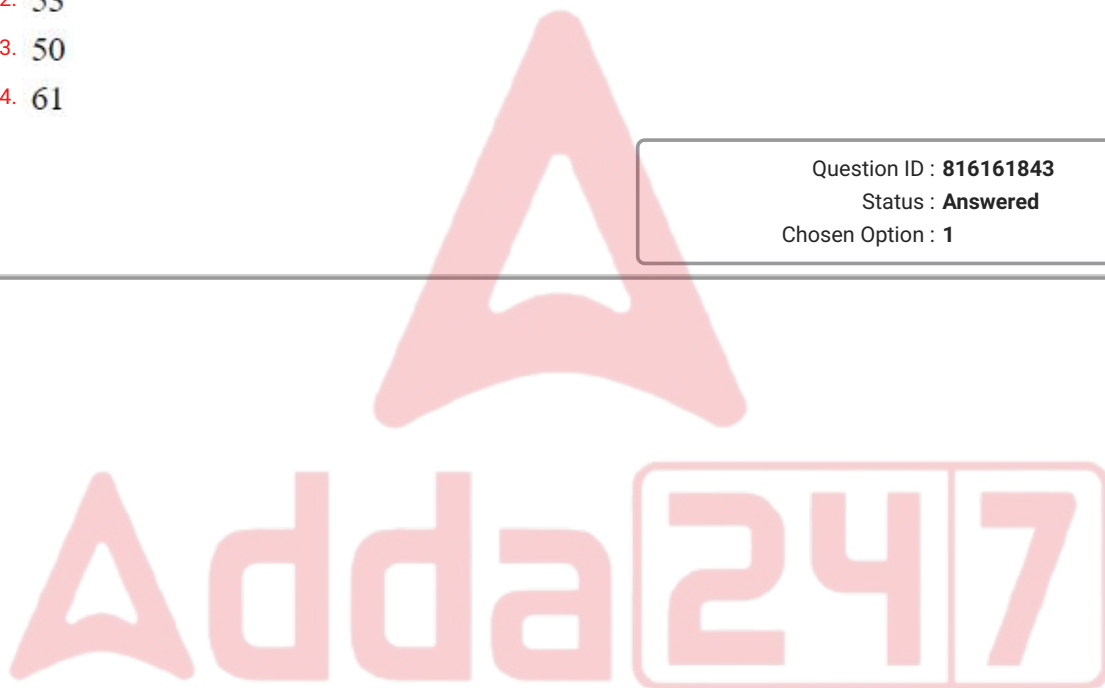
Question ID : 816161847  
Status : Answered  
Chosen Option : 3

**Q.4** 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. 56
  - ☒ 2. 53
  - ☒ 3. 50
  - ☒ 4. 61

Question ID : 816161843  
Status : Answered  
Chosen Option : 1



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



Ans

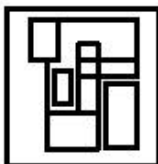
✓ 1.



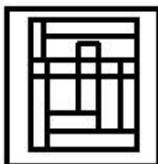
✗ 2.



✗ 3.



✗ 4.



Question ID : 816161852  
Status : Answered  
Chosen Option : 1

Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

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.7 'Ethiopia' is related to 'Africa' in the same way as 'Brazil' is related to '\_\_\_\_\_'.  
 Ans ☒ 1. South America  
☒ 2. North America  
☒ 3. Africa  
☒ 4. Brasilia

Question ID : 816161835  
 Status : Answered  
 Chosen Option : 3

Q.8 Select the option in which the words share the same relationship as that shared by the given pair of words.

Audition : Selection

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

Question ID : 816161836  
 Status : Answered  
 Chosen Option : 4

Q.9 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. (36, 70, 38)  
☒ 2. (43, 49, 27)  
☒ 3. (56, 38, 28)  
☒ 4. (94, 42, 34)

Question ID : 816161845  
 Status : Not Answered  
 Chosen Option : --

Q.10 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. 53 : 378  
☒ 2. 37 : 266  
☒ 3. 45 : 322  
☒ 4. 43 : 318

Question ID : 816161844  
 Status : Answered  
 Chosen Option : 3

**Q.11** 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?

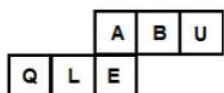
- Ans**
- ☒ 1. 112
  - ☒ 2. 50
  - ☒ 3. 78
  - ☒ 4. 54

Question ID : 816161838

Status : **Not Answered**

Chosen Option : --

**Q.12** 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. B and E
  - ☒ 2. L and U
  - ☒ 3. A and Q
  - ☒ 4. Q and E

Question ID : 816161851

Status : **Answered**

Chosen Option : 4

**Q.13** 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. 1, 2, 4, 3, 5
  - ☒ 2. 2, 1, 3, 4, 5
  - ☒ 3. 2, 1, 4, 5, 3
  - ☒ 4. 2, 1, 4, 3, 5

Question ID : 816161832

Status : **Answered**

Chosen Option : 4



Q.14 Select the letter-cluster that can replace the question mark (?) in the following series.

DJQC, ELTG, FNWK, GPZO, ?

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

Question ID : 816161839  
Status : Answered  
Chosen Option : 1

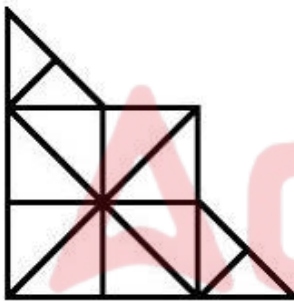
Q.15 Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

RQBKHNT

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

Question ID : 816161853  
Status : Answered  
Chosen Option : 1

Q.16 How many triangles are there in the given figure?



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

Question ID : 816161850  
Status : Answered  
Chosen Option : 2

Q.17 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. 69
  - ☒ 2. 205
  - ☒ 3. 55
  - ☒ 4. 108

Question ID : 816161846  
Status : Not Answered  
Chosen Option : --

Q.18 Select the letter that can replace the question mark (?) in the following series.

Y, R, L, G, ?, Z

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

Question ID : 816161831  
Status : Answered  
Chosen Option : 1

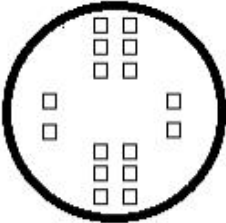


**Q.19** A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded?

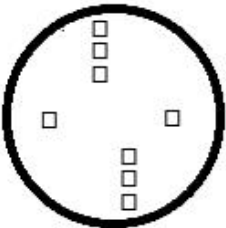


Ans

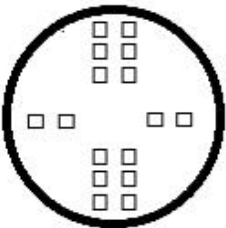
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 816161854

Status : Answered

Chosen Option : 1

**Q.20** Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans

✓ 1. Gallon

✗ 2. Volume

✗ 3. Weight

✗ 4. Distance

Question ID : 816161834

Status : Answered

Chosen Option : 4

Q.21  $A + B$  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.  $P + K + D \div H \times M$   
☒ 2.  $D + H + K \times M \div P$   
☒ 3.  $P + K + D \times H \div M$   
☒ 4.  $H + K + D \times P \div M$

Question ID : 816161840

Status : Answered

Chosen Option : 1

Q.22 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. 22  
☒ 2. 11  
☒ 3. 14  
☒ 4. 20

Question ID : 816161848

Status : Answered

Chosen Option : 1

Q.23 In a certain code language, 'DRONE' is written as 'SERFO'. How will 'HOUSE' be written as in that language?

- Ans ☒ 1. PQWGS  
☒ 2. PIVFT  
☒ 3. PIXFT  
☒ 4. QJXGB

Question ID : 816161837

Status : Not Answered

Chosen Option : --

Q.24 Identify the number that does NOT belong to the following series.

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

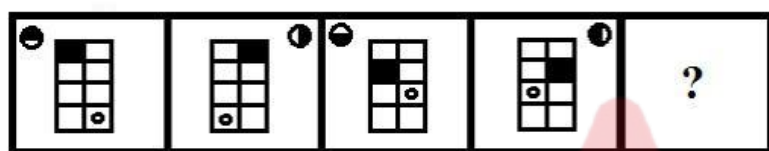
- Ans
- ☒ 1. 62
  - ☒ 2. 14
  - ☒ 3. 126
  - ☒ 4. 250

Question ID : 816161842

Status : Answered

Chosen Option : 4

Q.25 Select the figure that can replace the question mark (?) in the following series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 816161849

Status : Answered

Chosen Option : 4

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

Question ID : 816161869  
 Status : Answered  
 Chosen Option : 1

Q.2 \_\_\_\_\_ are called the 'Powerhouses' of the cell.

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

Question ID : 816161863  
 Status : Answered  
 Chosen Option : 1

Q.3 What does the writ of 'Mandamus' mean?

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

Question ID : 816161875  
 Status : Answered  
 Chosen Option : 1

Q.4 Which of the following years is called the Year of the Great Divide in the demographic history of India?

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

Question ID : 816161867  
 Status : Not Answered  
 Chosen Option : --

Q.5 Name the first actor to win the Oscar Awards.

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

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

Q.6 Name the author of the book 'Ain-i-Akbari'?

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

Question ID : 816161871  
Status : Answered  
Chosen Option : 3

Q.7 Which of the following Acts was amended to provide a statutory basis for the implementation of the flexible inflation targeting (FIT) framework?

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

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

Q.8 What is the yellow dust present in the middle of a flower called?

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

Question ID : 816161860  
Status : Answered  
Chosen Option : 4

Q.9 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. Jackfruit wood
  - ☐ 2. Sandal wood
  - ☐ 3. Walnut wood
  - ☐ 4. Teak wood

Question ID : 816161857  
Status : Not Answered  
Chosen Option : --

Q.10 Deficiency of which of the following vitamins causes Night Blindness?

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

Question ID : 816161864  
Status : Answered  
Chosen Option : 4

Q.11 Shaukat Kaifi passed away in 2019. She was the mother of which famous actress?

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

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

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

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

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Question ID : 816161878  
Status : Answered  
Chosen Option : 1



Q.13 Jai Prakash Narayan Museum of Socialism is situated in:

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

Question ID : 816161856

Status : Not Answered

Chosen Option : --

Q.14 Protium, deuterium and tritium are the naturally occurring isotopes of:

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

Question ID : 816161861

Status : Answered

Chosen Option : 1

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

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

Question ID : 816161880

Status : Not Answered

Chosen Option : --

Q.16 In which of the following is citric acid present?

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

Question ID : 816161862

Status : Answered

Chosen Option : 3

Q.17 The India Meteorological Department (IMD) celebrated its \_\_\_\_\_ foundation day on January 15, 2020.

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

Question ID : 816161879  
Status : Answered  
Chosen Option : 3

Q.18 Name the Indian equestrian to qualify for the Tokyo Olympics officially after a wait / span of two decades.

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

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

Q.19 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 : Answered  
Chosen Option : 3

Q.20 Who designed the logo for Lokpal in India?

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

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

Q.21 On which country has the World Anti-doping Agency recently imposed a 4-year ban?

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

Question ID : 816161877

Status : Answered

Chosen Option : 4

Q.22 In which year was the first Round Table Conference held in London?

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

Question ID : 816161870

Status : Answered

Chosen Option : 1

Q.23 What is the pass at the southern end of the Nilgiri hills called?

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

Question ID : 816161866

Status : Not Answered

Chosen Option : --

Q.24 In which year did the Portuguese capture Goa?

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

Question ID : 816161868

Status : Not Answered

Chosen Option : --

Q.25 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 : --

Section : Quantitative Aptitude

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

Question ID : 816161891  
Status : Not Answered  
Chosen Option : --

Q.2 If  $A + B = 12$  and  $AB = 17$ , what is the value of  $A^3 + B^3$ ?

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

Question ID : 816161894  
Status : Answered  
Chosen Option : 1

Q.3 Ravi scores 72% marks in examinations. If these are 360 marks, then the maximum marks are:

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

Question ID : 816161885  
Status : Answered  
Chosen Option : 3

**Q.4** 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?

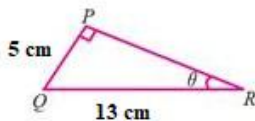
- Ans
- ☒ 1. 60
  - ☒ 2. 50
  - ☒ 3. 44
  - ☒ 4. 40

Question ID : 816161902

Status : Answered

Chosen Option : 4

**Q.5** In the right triangle shown in the figure ,what is the value of  $\operatorname{cosec}\theta$ ?



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

Question ID : 816161900

Status : Answered

Chosen Option : 3

Q.6 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.  $\frac{3 + \sqrt{3}}{2}$
- ☒ 2.  $\frac{2(3 + 2\sqrt{3})}{3}$
- ☒ 3.  $\frac{3 + 2\sqrt{3}}{2}$
- ☒ 4.  $\frac{2}{3}(3 + \sqrt{3})$

Question ID : 816161899

Status : Answered

Chosen Option : 2

Q.7 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. 20.1 %
- ☒ 2. 24.2 %
- ☒ 3. 23.1 %
- ☒ 4. 22.4 %

Question ID : 816161886

Status : Answered

Chosen Option : 3

Q.8 The single discount equivalent to two successive discounts of 20% and 15% is:

Ans

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

Question ID : 816161884

Status : Answered

Chosen Option : 3

Q.9 The value of  $1800 \div 20 \times \{(12 - 6) + (24 - 12)\}$  is:

Ans

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

Question ID : 816161882

Status : Answered

Chosen Option : 2



**Q.10** 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. 4 days
  - ☒ 2. 3 days
  - ☒ 3. 2 days
  - ☒ 4.  $1\frac{1}{2}$  days

Question ID : **816161889**  
Status : **Answered**  
Chosen Option : **3**

**Q.11** 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.  $288 \text{ cm}^2$
  - ☒ 2.  $280 \text{ cm}^2$
  - ☒ 3.  $298 \text{ cm}^2$
  - ☒ 4.  $200 \text{ cm}^2$

Question ID : **816161898**  
Status : **Answered**  
Chosen Option : **1**

**Q.12** 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. 22,700
  - ☒ 2. 27,200
  - ☒ 3. 27,000
  - ☒ 4. 72,200

Question ID : **816161903**  
Status : **Answered**  
Chosen Option : **2**

Q.13 Expand:  $(4a + 3b + 2c)^2$

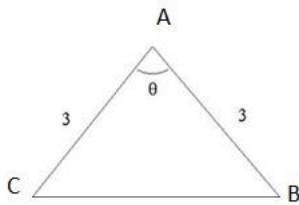
- Ans ☒ 1.  $16a^2 + 9b^2 + 4c^2 + 24ab + 12bc + 16ca$   
☒ 2.  $4a^2 + 3b^2 + 2c^2 + 24ab + 12bc + 16ca$   
☒ 3.  $16a^2 - 9b^2 + 4c^2 - 24ab + 12bc - 16ca$   
☒ 4.  $16a^2 + 9b^2 + 4c^2 - 24ab - 12bc - 16ca$

Question ID : 816161892

Status : Answered

Chosen Option : 1

Q.14 In the given figure  $\triangle ABC$ , if  $\theta = 80^\circ$ , the measure of each of the other two angles will be:



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

Question ID : 816161897

Status : Answered

Chosen Option : 2

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

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

Question ID : 816161881

Status : Answered

Chosen Option : 1

**Q.16** 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. 6 hours
  - ☒ 2. 2 hours
  - ☒ 3. 4 hours
  - ☒ 4. 3 hours

Question ID : 816161890  
Status : Answered  
Chosen Option : 3

**Q.17** 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. 10 years
  - ☒ 2. 15 years
  - ☒ 3. 20 years
  - ☒ 4. 25 years

Question ID : 816161883  
Status : Answered  
Chosen Option : 1

**Q.18** 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.  $67 \text{ cm}^2$
  - ☒ 2.  $11 \text{ cm}^2$
  - ☒ 3.  $77 \text{ cm}^2$
  - ☒ 4.  $70 \text{ cm}^2$

Question ID : 816161895  
Status : Answered  
Chosen Option : 3

**Q.19** 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.  $16\sqrt{3} \text{ m}$
  - ☒ 2.  $8\sqrt{3} \text{ m}$
  - ☒ 3.  $4\sqrt{3} \text{ m}$
  - ☒ 4.  $6\sqrt{3} \text{ m}$

Question ID : 816161901  
Status : Answered  
Chosen Option : 3

Q.20 If  $3A = 4B = 5C$ , then  $A : B : C$  is equal to:

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

Question ID : 816161887  
Status : Answered  
Chosen Option : 2

Q.21  $(3a - 4b)^3$  is equal to:

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

Question ID : 816161893  
Status : Answered  
Chosen Option : 2

Q.22 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. 96.70%
  - ☒ 2. 90.72%
  - ☒ 3. 94.7%
  - ☒ 4. 97.72%

Question ID : 816161904  
Status : Answered  
Chosen Option : 4

**Q.23** 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 :

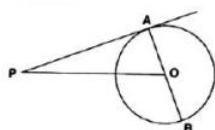
- Ans**
- ✓ 1. ₹7,163
  - ✗ 2. ₹7,103
  - ✗ 3. ₹7,133
  - ✗ 4. ₹7,663

Question ID : 816161888

Status : Answered

Chosen Option : 3

**Q.24** 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.  $40^\circ$
  - ✗ 2.  $30^\circ$
  - ✗ 3.  $25^\circ$
  - ✓ 4.  $20^\circ$

Question ID : 816161896

Status : Answered

Chosen Option : 4

**Q.25** 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. 8990
  - ✗ 2. 9000
  - ✗ 3. 8980
  - ✗ 4. 8880

Question ID : 816161905

Status : Answered

Chosen Option : 1

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

Question ID : 816161910  
Status : Answered  
Chosen Option : 3

Q.2 Select the correct passive form of the given sentence.

Fortunately, the fire did not cause much damage.

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

Question ID : 816161908  
Status : Answered  
Chosen Option : 1

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

Question ID : 816161909  
Status : Answered  
Chosen Option : 1

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

Kill two birds with one stone

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

Question ID : 816161925  
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 No improvement.

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

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

Question ID : 816161911

Status : Answered

Chosen Option : 3

Q.6 Select the most appropriate synonym of the given word.

Solemn

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

Question ID : 816161920

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each 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. one
  - ☒ 2. an
  - ☒ 3. the
  - ☒ 4. a

Question ID : 816161913

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 : 8**

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

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

Question ID : 816161914

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each 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. no
  - ☒ 2. or
  - ☒ 3. none
  - ☒ 4. nor

Question ID : 816161915

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 : 10**

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

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

Question ID : 816161916

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 : 11**

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

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

Question ID : 816161917

Status : Answered

Chosen Option : 4

**Q.12** 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. CBDA
  - ☒ 2. BDAC
  - ☒ 3. CADB
  - ☒ 4. DACB

Question ID : 816161918

Status : Answered

Chosen Option : 1

Q.13 Select the word which means the same as the group of words given.

Central character in a story or play

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

Question ID : 816161927

Status : Answered

Chosen Option : 2

Q.14 In the sentence identify the segment which contains the grammatical error.

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

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

Question ID : 816161906

Status : Not Answered

Chosen Option : --

Q.15 Select the most appropriate synonym of the given word.

Eradicate

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

Question ID : 816161921

Status : Answered

Chosen Option : 1

Q.16 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

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

Persuade

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

Question ID : 816161923

Status : Answered

Chosen Option : 2

Q.18 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. Successor
  - ☒ 4. Heir

Question ID : 816161926

Status : Answered

Chosen Option : 1

Q.19 Select the INCORRECTLY spelt word.

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

Question ID : 816161928

Status : Answered

Chosen Option : 2

Q.20 Fill in the blank with the most appropriate word.

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

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

Question ID : 816161931

Status : Answered

Chosen Option : 2

Q.21 Select the most appropriate ANTONYM of the given word.

Rear

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

Question ID : 816161922

Status : Answered

Chosen Option : 1

Q.22 Select the INCORRECTLY spelt word.

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

Question ID : 816161929

Status : Answered

Chosen Option : 1

Q.23 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. drops of lemon  
☒ 2. If a few  
☒ 3. it has turned sour  
☒ 4. are put in the milk

Question ID : 816161907

Status : Answered

Chosen Option : 3

Q.24 Select the most appropriate meaning of the given idiom.

Make off with

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

Question ID : 816161924

Status : Not Answered

Chosen Option : --



Q.25 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. BADC

 2. BCDA

 3. ACDB

 4. DCAB

Question ID : 816161919

Status : Answered

Chosen Option : 1

