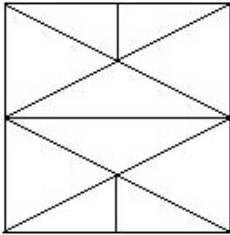


## Combined Graduate Level Examination-2019 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Teenpani
Exam Date	04/03/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CGLE Tier I

### Section : General Intelligence and Reasoning

Q.1 How many triangles are present in the given figure?



- Ans
- 1. 28
  - 2. 26
  - 3. 22
  - 4. 30

Question ID : 31436020

Status : Not Answered

Chosen Option : --

Q.2 A recent survey of married couples in Indian metro cities showed that 20% of the couples have only one child, 45% of the remaining couples have two children, and the rest of the couples have three or more children. What is the percentage of couples with three or more children?

- Ans
- 1. 35%
  - 2. 44%
  - 3. 42%
  - 4. 56%

Question ID : 31436018

Status : Answered

Chosen Option : 2

**Q.3** Select the correct combination of mathematical signs to sequentially replace the \* signs, to balance the following equation.

$$(12 * 7 * 6) * 13 * 6$$

- Ans**
- 1.  $-, +, \times, =$
  - 2.  $\times, -, +, =$
  - 3.  $+, -, =, \times$
  - 4.  $\times, =, +, -$

Question ID : 31436017  
Status : Answered  
Chosen Option : 2

**Q.4** Select the option that is related to the third word in the same way as the second word is related to the first word.

Jackal : Howl :: Rain : ?

- Ans**
- 1. Patter
  - 2. Drops
  - 3. Hustle
  - 4. Thunder

Question ID : 3143605  
Status : Answered  
Chosen Option : 1

**Q.5** Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.

\_swws\_wwws\_swwww\_sss

- Ans**
- 1. W, S, S, S
  - 2. W, S, W, S
  - 3. W, W, S, S
  - 4. W, S, S, W

Question ID : 3143609  
Status : Answered  
Chosen Option : 1

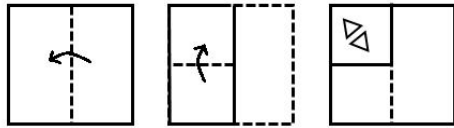
**Q.6** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

7	11	14
53	127	?
4	6	3

- Ans**
- 1. 196
  - 2. 169
  - 3. 200
  - 4. 199

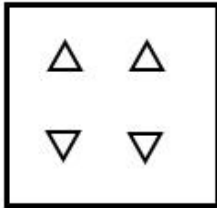
Question ID : 31436016  
Status : Not Answered  
Chosen Option : --

**Q.7** 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?

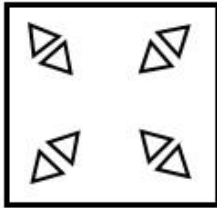


**Ans**

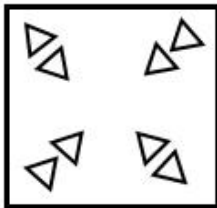
1.



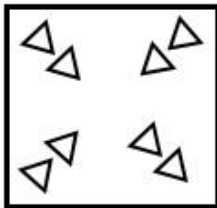
2.



3.



4.



Question ID : 31436024  
Status : Answered  
Chosen Option : 2

**Q.8** In a certain code language, LARVAE is coded as 15-1-9-5-1-2. How will INSECT be coded as in that language?

**Ans**

1. 3-13-8-2-24-7

2. 18-13-8-2-24-7

3. 3-13-8-2-24-8

4. 9-13-8-22-24-7

Question ID : 3143608  
Status : Not Answered  
Chosen Option : --

**Q.9** Select the letter-cluster that can replace the question mark (?) in the following series.

DAC, GWH, JSM, MOR, ?

- Ans**
- 1. PJV
  - 2. QKV
  - 3. PKW
  - 4. QJW

Question ID : 3143601  
Status : Answered  
Chosen Option : 3

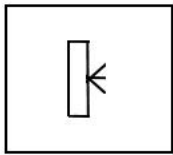
**Q.10** Select the option in which the words share the same relationship as that shared by the given pair of words.

Hive : Bee

- Ans**
- 1. Burrow : Hare
  - 2. Sty : Dog
  - 3. Eyrie : Bear
  - 4. Stable : Cow

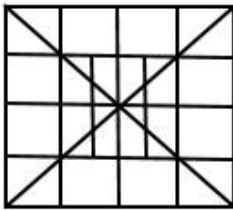
Question ID : 3143606  
Status : Answered  
Chosen Option : 1

Q.11 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

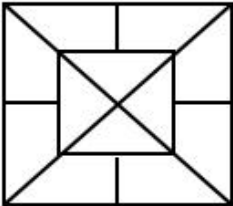


Ans

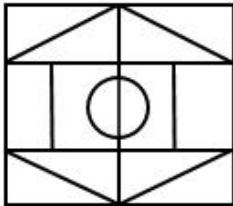
✓ 1.



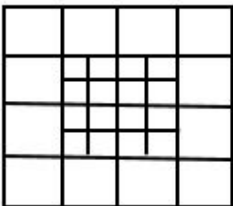
✗ 2.



✗ 3.



✗ 4.



Question ID : 31436022

Status : Answered

Chosen Option : 1

Q.12 Arrange the following words in the order in which they appear in an English dictionary.

1. Gemlike

2. Geminate

3. Gemmier

4. Geminal

5. Gemini

Ans ✓ 1. 4, 2, 5, 1, 3

✗ 2. 4, 3, 2, 1, 5

✗ 3. 4, 5, 2, 1, 3

✗ 4. 3, 5, 4, 1, 2

Question ID : 3143602

Status : Answered

Chosen Option : 3

**Q.13** Arsh is Shivam's father and Dhruv is the son of Bimla. Eshwar is the father of Arsh. If Shivam is the brother of Dhruv, how is Bimla related to Eshwar?

- Ans**
- 1. Daughter-in-law
  - 2. Wife
  - 3. Sister-in-law
  - 4. Mother

Question ID : 31436010  
Status : Answered  
Chosen Option : 1

**Q.14** In a certain code language, STRAIGHT is written as TSARGITH. How will THURSDAY be written as in that language?

- Ans**
- 1. HTRUDSYA
  - 2. HTRUDSAY
  - 3. AYSDURTH
  - 4. UHTDRSYA

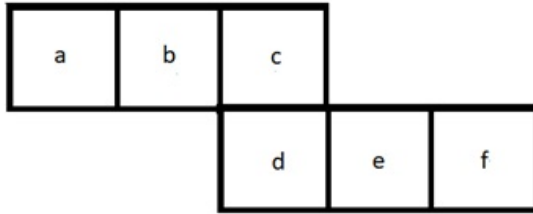
Question ID : 3143607  
Status : Answered  
Chosen Option : 1

**Q.15** Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter-cluster.

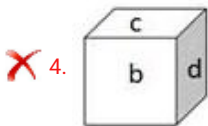
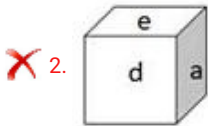
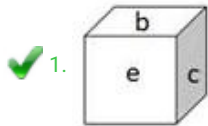
- Ans**
- 1. TSR
  - 2. NML
  - 3. FGH
  - 4. YXW

Question ID : 3143603  
Status : Answered  
Chosen Option : 3

Q.16 Select the box that CANNOT be formed by folding the given unfolded box.



Ans



Question ID : 31436021  
Status : Answered  
Chosen Option : 1

Q.17 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(109, 114, 139)

Ans ✓ 1. (313, 318, 343)

✗ 2. (268, 302, 237)

✗ 3. (419, 424, 439)

✗ 4. (579, 534, 549)

Question ID : 31436015  
Status : Answered  
Chosen Option : 1

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

17, 20, 15, 22, 13, ?

- Ans**
- 1. 2
  - 2. 4
  - 3. 24
  - 4. 22

Question ID : 31436012  
Status : Answered  
Chosen Option : 3

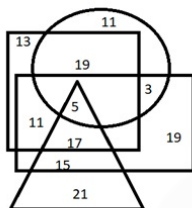
**Q.19** Four words have been given, out of which three are alike in some manner, while one is different. Select the odd word.

- Ans**
- 1. Virtue
  - 2. Righteousness
  - 3. Probity
  - 4. Conduct

Question ID : 3143604  
Status : Answered  
Chosen Option : 3

**Q.20** The given Venn diagram represents artists in a circus:

The triangle represents clowns, the circle represents acrobats, the rectangle represents males and the square represents ringmasters. The numbers given in the diagram represent the number of persons in that particular category.



How many male clowns are also ringmasters, but NOT acrobats?

- Ans**
- 1. 17
  - 2. 5
  - 3. 11
  - 4. 15

Question ID : 31436025  
Status : Answered  
Chosen Option : 1





**Q.23** 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 cars are rockets.
2. All rockets are engines.

**Conclusions:**

- I. Some engines are rockets.
- II. Some engines are cars.

- Ans**
- 1. Both conclusions I and II follow.
  - 2. Only conclusion II follows.
  - 3. Only conclusion I follows.
  - 4. Neither conclusion I nor II follows.

Question ID : 31436011

Status : Answered

Chosen Option : 1

**Q.24** Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

#PaV\$ArK@

- Ans**
- 1. #b9V\$ArK@
  - 2. #K1A\$V69@
  - 3. @K1A\$V69#
  - 4. @K1A\$V69#

Question ID : 31436023

Status : Answered

Chosen Option : 3

**Q.25** Which two signs should be interchanged to make the given equation correct?

$$225 + 5 \times 3 \div 5 - 7 = 133$$

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

Question ID : 31436014

Status : Answered

Chosen Option : 4

Q.1 The major component of modern Olympic gold medals is \_\_\_\_\_.

- Ans
- 1. Copper
  - 2. Gold
  - 3. Bronze
  - 4. Silver

Question ID : 31436046  
Status : Answered  
Chosen Option : 3

Q.2 Private ownership of the means of production is a feature of a \_\_\_\_\_ economy.

- Ans
- 1. mixed
  - 2. socialist
  - 3. dual
  - 4. capitalist

Question ID : 31436029  
Status : Not Answered  
Chosen Option : --

Q.3 Xerophthalmia is caused due to the deficiency of vitamin \_\_\_\_\_.

- Ans
- 1. D
  - 2. K
  - 3. A
  - 4. C

Question ID : 31436034  
Status : Not Answered  
Chosen Option : --

Q.4 In May 2019, the International Monetary Fund agreed to bail out \_\_\_\_\_ with a fund of \$6 billion.

- Ans
- 1. Bangladesh
  - 2. Pakistan
  - 3. India
  - 4. Nepal

Question ID : 31436048  
Status : Not Answered  
Chosen Option : --

Q.5 Asia's largest wholesale spice market is located in \_\_\_\_\_.

- Ans
- 1. Ahmedabad
  - 2. Bengaluru
  - 3. Delhi
  - 4. Kolkata

Question ID : 31436035  
Status : Not Answered  
Chosen Option : --

Q.6 The Vedic Civilisation in India flourished along the river\_\_\_\_\_.

- Ans
- 1. Narmada
  - 2. Saraswati
  - 3. Tapi
  - 4. Godavari

Question ID : 31436040  
Status : Not Answered  
Chosen Option : --

Q.7 The Biraja Temple, the Rajarani Temple and the Samaleswari Temple are all located in \_\_\_\_\_.

- Ans
- 1. Tamil Nadu
  - 2. Assam
  - 3. Kerala
  - 4. Odisha

Question ID : 31436036  
Status : Not Answered  
Chosen Option : --

Q.8 In the 4th century BCE, the capital of Magadha was shifted to \_\_\_\_\_.

- Ans
- 1. Varanasi
  - 2. Mathura
  - 3. Pataliputra
  - 4. Panipat

Question ID : 31436038  
Status : Not Answered  
Chosen Option : --

Q.9 The 14th Dalai Lama resides in \_\_\_\_\_.

- Ans
- 1. Shillong
  - 2. Kalimpong
  - 3. Gangtok
  - 4. Dharamsala

Question ID : 31436042  
Status : Not Answered  
Chosen Option : --

Q.10 In April 2019, scientists in \_\_\_\_\_ produced the world's first 3D printed heart using human tissue.

- Ans
- 1. Israel
  - 2. Ethiopia
  - 3. Kenya
  - 4. Croatia

Question ID : 31436030  
Status : Not Answered  
Chosen Option : --

Q.11 The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, \_\_\_\_\_.

- Ans
- 1. Banabhata
  - 2. Kamban
  - 3. Dandin
  - 4. Jinsena

Question ID : 31436043  
Status : Not Answered  
Chosen Option : --

Q.12 Which of the following is NOT a folk dance belonging to the union territory of Jammu and Kashmir?

- Ans
- 1. Dhumal
  - 2. Rouf
  - 3. Hafiza
  - 4. Dangi

Question ID : 31436027  
Status : Not Answered  
Chosen Option : --

Q.13 Planetary scientists call the thin gaseous envelope around the Moon as the \_\_\_\_\_.

- Ans
- 1. lunar endosphere
  - 2. lunar stratosphere
  - 3. lunar exosphere
  - 4. lunar thermosphere

Question ID : 31436032  
Status : Not Answered  
Chosen Option : --

Q.14 According to the United Nations' World Economic Situation and Prospects Report, 2019, the Indian economy is expected to expand by \_\_\_\_\_ in 2020.

- Ans
- 1. 7.8%
  - 2. 7.2%
  - 3. 7.1%
  - 4. 7.6%

Question ID : 31436049  
Status : Not Answered  
Chosen Option : --

Q.15 Who was the President of the World Bank Group as of January, 2020?

- Ans
- 1. Paul Wolfowitz
  - 2. Robert Zoellick
  - 3. David Malpass
  - 4. Jim Yong Kim

Question ID : 31436028  
Status : Not Answered  
Chosen Option : --

Q.16 Lt. General \_\_\_\_\_ took charge as the Chief of Army Staff on 31 December 2019.

- Ans
- 1. Anil Chauhan
  - 2. Ravendra Pal Singh
  - 3. Bipin Rawat
  - 4. Manoj Mukund Naravane

Question ID : 31436050  
Status : Not Answered  
Chosen Option : --

Q.17 Which Article of the Indian Constitution prohibits discrimination on the grounds of religion, race, caste, sex and place of birth?

- Ans
- 1. Article 25
  - 2. Article 23
  - 3. Article 15
  - 4. Article 19

Question ID : 31436044  
Status : Not Answered  
Chosen Option : --

Q.18 In biological terms, \_\_\_\_\_ is a relationship between two organisms in which one organism benefits and the other is unaffected.

- Ans
- 1. Parasitism
  - 2. Commensalism
  - 3. Amensalism
  - 4. Mutualism

Question ID : 31436033  
Status : Not Answered  
Chosen Option : --

Q.19 \_\_\_\_\_ was the capital of Magadha before the 4th century BCE.

- Ans
- 1. Varanasi
  - 2. Pataliputra
  - 3. Rajagaha
  - 4. Mathura

Question ID : 31436039  
Status : Answered  
Chosen Option : 2

Q.20 \_\_\_\_\_ expansion makes the Eiffel Tower taller during summers.

- Ans
- 1. Gradient
  - 2. Thermal
  - 3. Chemical
  - 4. Gravitational

Question ID : 31436031  
Status : Not Answered  
Chosen Option : --

Q.21 King Harshavardhana ascended the throne of Thaneshwar and Kannauj on the death of his brother, \_\_\_\_\_.

- Ans
- 1. Suryavardhana
  - 2. Indravardhana
  - 3. Chandravardhana
  - 4. Rajyavardhana

Question ID : 31436041  
Status : Not Answered  
Chosen Option : --

Q.22 The Gol Gumbad (Gumbaz) of \_\_\_\_\_ is the mausoleum of Muhammad Adil Shah.

- Ans
- 1. Bijapur
  - 2. Allahabad
  - 3. Agra
  - 4. Delhi

Question ID : 31436026  
Status : Not Answered  
Chosen Option : --

Q.23 The \_\_\_\_\_ lake in Gujarat was an artificial reservoir built during the rule of the Mauryas.

- Ans
- 1. Loktak
  - 2. Sudarshana
  - 3. Pushkar
  - 4. Lonar

Question ID : 31436037  
Status : Not Answered  
Chosen Option : --

Q.24 Article 17 of the Constitution of India deals with the abolition of \_\_\_\_\_.

- Ans
- 1. untouchability
  - 2. titles
  - 3. slavery
  - 4. sati

Question ID : 31436045  
Status : Not Answered  
Chosen Option : --



Q.25 Who among the following is an Indian Olympic archer and Padma Shri winner?

- Ans
- 1. Balbir Singh Dosanjh
  - 2. Limba Ram
  - 3. Kidambi Srikanth
  - 4. Bajrang Punia

Question ID : 31436047  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude

Q.1 The value of  $\frac{7 - [4 + 3(2 - 2 \times 2 + 5) - 8] \div 5}{2 \div 2 \text{ of } (4 + 4 \div 4 \text{ of } 4)}$  is:

- Ans
- 1.  $8\frac{1}{2}$
  - 2. 26
  - 3.  $25\frac{1}{2}$
  - 4. 24

Question ID : 31436052  
Status : Not Answered  
Chosen Option : --

Q.2 A person buys 5 tables and 9 chairs for ₹15,400. He sells the tables at 10% profit and chairs at 20% profit. If his total profit on selling all the tables and chairs is ₹2,080, what is the cost price of 3 chairs?

- Ans
- 1. ₹1,890
  - 2. ₹1,800
  - 3. ₹1,740
  - 4. ₹1,860

Question ID : 31436056  
Status : Answered  
Chosen Option : 2

Q.3 In  $\triangle ABC$ ,  $\angle A = 90^\circ$ , M is the midpoint of BC and D is a point on BC such that  $AD \perp BC$ . If  $AB = 7$  cm and  $AC = 24$  cm, then  $AD : AM$  is equal to:

- Ans
- 1. 336 : 625
  - 2. 24 : 25
  - 3. 32 : 43
  - 4. 168 : 275

Question ID : 31436067  
Status : Not Answered  
Chosen Option : --

**Q.4** Sonu saves 15% of her income. If her income increases by 20% and she still saves the same amount as before, then what is the percentage increase in her expenditure? (correct to one decimal place)

- Ans**
- 1. 24.2
  - 2. 23.8
  - 3. 22.8
  - 4. 23.5

Question ID : 31436055  
Status : Answered  
Chosen Option : 4

**Q.5** When 732 is divided by a positive integer  $x$ , the remainder is 12. How many values of  $x$  are there?

- Ans**
- 1. 19
  - 2. 16
  - 3. 18
  - 4. 20

Question ID : 31436051  
Status : Not Answered  
Chosen Option : --

**Q.6** A can complete a certain work in 30 days. B is 25% more efficient than A and C is 20% more efficient than B. They all worked together for 3 days. B alone will complete the remaining work in:

- Ans**
- 1. 12 days
  - 2. 20 days
  - 3. 18 days
  - 4. 15 days

Question ID : 31436059  
Status : Not Answered  
Chosen Option : --

**Q.7** The average of twelve numbers is 45.5. The average of the first four numbers is 41.5 and that of the next five numbers is 48. The 10<sup>th</sup> number is 4 more than the 11<sup>th</sup> number and 9 more than the 12<sup>th</sup> number. What is the average of the 10<sup>th</sup> and 12<sup>th</sup> numbers?

- Ans**
- 1. 47
  - 2. 46
  - 3. 47.8
  - 4. 46.5

Question ID : 31436053  
Status : Answered  
Chosen Option : 4

**Q.8** The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The number of months, in which the number of computers sold by dealer B was less than the average number of computers sold by dealer C over six months, was:

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

Question ID : 31436073  
 Status : Not Answered  
 Chosen Option : --

**Q.9** In  $\triangle ABC$ ,  $AB = AC$ . A circle drawn through B touches AC at D and intersect AB at P. If D is the mid point of AC and  $AP = 2.5$  cm, then AB is equal to:

- Ans
- 1. 7.5 cm
  - 2. 10 cm
  - 3. 9 cm
  - 4. 12.5 cm

Question ID : 31436065  
 Status : Not Answered  
 Chosen Option : --

**Q.10** If  $2x + 1$ ,  $x + 2$ , 2 and 5 are in proportion, then what is the mean proportional between  $3.5(1 - x)$  and  $8(1 + x)$ ?

- Ans
- 1. 4.5
  - 2. 5.5
  - 3. 5.25
  - 4. 4.25

Question ID : 31436057  
 Status : Not Answered  
 Chosen Option : --

**Q.11** The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The total number of computers sold by dealer A during February to June is what percentage more than the total number of computers sold by all the dealers in June? (Correct to one decimal place)

- Ans**
- 1. 21.2
  - 2. 17.5
  - 3. 24.4
  - 4. 25.3

Question ID : 31436074

Status : Answered

Chosen Option : 1

**Q.12** If  $a + b + c = 11$ ,  $ab + bc + ca = 3$  and  $abc = -135$ , then what is the value of  $a^3 + b^3 + c^3$  ?

- Ans**
- 1. 925
  - 2. 827
  - 3. 929
  - 4. 823

Question ID : 31436064

Status : Answered

Chosen Option : 3

**Q.13** The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer →	A	B	C	D
Month ↓				
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The total number of computers sold by dealer B in April, May and June is what percentage of the total number of computers sold by all the dealers in February and April?

- Ans**
- ✓ 1.  $38\frac{3}{8}$
- ✗ 2.  $48\frac{5}{7}$
- ✗ 3.  $43\frac{6}{7}$
- ✗ 4.  $50\frac{7}{8}$

Question ID : 31436075

Status : Not Answered

Chosen Option : --

**Q.14** A trader allows a discount of 18% on the marked price of an article. How much percentage above the cost price must he mark it so as to get a profit of 6.6%?

- Ans**
- ✓ 1. 30
- ✗ 2. 24
- ✗ 3. 25
- ✗ 4. 28

Question ID : 31436054

Status : Answered

Chosen Option : 3

**Q.15** If  $5x + \frac{1}{3x} = 4$ , then what is the value of  $9x^2 + \frac{1}{25x^2}$  ?

- Ans**
- ✗ 1.  $\frac{174}{125}$
- ✓ 2.  $\frac{114}{25}$
- ✗ 3.  $\frac{119}{25}$
- ✗ 4.  $\frac{144}{125}$

Question ID : 31436063

Status : Not Answered

Chosen Option : --

**Q.16** The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer → Month ↓	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

What is the ratio of the total number of computers sold by dealer A in February, April and May to the total number of computers sold by dealer D in March, May and June?

- Ans
- 1. 6 : 5
  - 2. 20 : 27
  - 3. 15 : 13
  - 4. 10 : 9

Question ID : 31436072  
Status : Answered  
Chosen Option : 4

**Q.17** The value of  $\frac{\tan 30^\circ \operatorname{cosec} 60^\circ + \tan 60^\circ \sec 30^\circ}{\sin^2 30^\circ + 4 \cot^2 45^\circ - \sec^2 60^\circ}$  is:

- Ans
- 1.  $\frac{8}{3}$
  - 2.  $\frac{32}{99}$
  - 3.  $\frac{32}{3}$
  - 4.  $\frac{2}{3}$

Question ID : 31436070  
Status : Not Answered  
Chosen Option : --

**Q.18** What is the compound interest on a sum of ₹12,000 for  $2\frac{5}{8}$  years at 8% p.a., when the interest is compounded annually?  
(nearest to a rupee)

- Ans
- 1. ₹2,712
  - 2. ₹2,642
  - 3. ₹2,697
  - 4. ₹2,654

Question ID : 31436058  
Status : Not Answered  
Chosen Option : --

Q.19 If  $\sec\theta - \tan\theta = \frac{x}{y}$ , ( $0 < x < y$ ) and  $0^\circ < \theta < 90^\circ$ , then  $\sin\theta$  is equal to:

Ans

1.  $\frac{x^2+y^2}{2xy}$

2.  $\frac{2xy}{x^2+y^2}$

3.  $\frac{y^2-x^2}{x^2+y^2}$

4.  $\frac{x^2+y^2}{y^2-x^2}$

Question ID : 31436071

Status : Answered

Chosen Option : 2

Q.20 ABCD is a cyclic quadrilateral in which AB = 16.5 cm, BC = x cm, CD = 11 cm, AD = 19.8 cm, and BD is bisected by AC at O. What is the value of x?

Ans

1. 12.4 cm

2. 12.8 cm

3. 13.2 cm

4. 13.8 cm

Question ID : 31436066

Status : Not Answered

Chosen Option : --

Q.21 If  $5\sin^2\theta + 14\cos\theta = 13$ ,  $0^\circ < \theta < 90^\circ$ , then what is the value of  $\frac{\sec\theta + \cot\theta}{\operatorname{cosec}\theta + \tan\theta}$ ?

Ans

1.  $\frac{32}{27}$

2.  $\frac{21}{28}$

3.  $\frac{31}{29}$

4.  $\frac{9}{8}$

Question ID : 31436069

Status : Not Answered

Chosen Option : --

Q.22 On simplification,  $\frac{x^3 - y^3}{x[(x+y)^2 - 3xy]} \div \frac{y[(x-y)^2 + 3xy]}{x^2 + y^2} \times \frac{(x+y)^2 - (x-y)^2}{x^2 - y^2}$  is equal to:

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

Question ID : 31436062  
Status : Not Answered  
Chosen Option : --

Q.23 The circumference of the base of a conical tent is 66 m. If the height of the tent is 36 m, what is the area (in  $m^2$ ) of the canvas used in making the tent? (Take  $\pi = \frac{22}{7}$ )

- Ans
- 1. 1171.5
  - 2. 1155
  - 3. 1237.5
  - 4. 1254

Question ID : 31436061  
Status : Not Answered  
Chosen Option : --

Q.24 A boat can go 3 km upstream and 5 km downstream in 55 minutes. It can also go 4 km upstream and 9 km downstream in 1 hour 25 minutes. In how much time (in hours) will it go 43.2 km downstream?

- Ans
- 1. 4.8
  - 2. 4.4
  - 3. 3.6
  - 4. 5.4

Question ID : 31436060  
Status : Not Answered  
Chosen Option : --

Q.25 In  $\triangle ABC$ ,  $\angle B = 68^\circ$  and  $\angle C = 32^\circ$ . Sides AB and AC are produced to points D and E, respectively. The bisectors of  $\angle DBC$  and  $\angle BCE$  meet at F. What is the measure of  $\angle BFC$ ?

- Ans
- 1.  $39^\circ$
  - 2.  $65^\circ$
  - 3.  $50^\circ$
  - 4.  $55^\circ$

Question ID : 31436068  
Status : Not Answered  
Chosen Option : --



Q.1 Select the antonym of the given word.

LIBERTY

- Ans
- 1. Independence
  - 2. Deliverance
  - 3. Convenience
  - 4. Dependence

Question ID : 31436093  
Status : Answered  
Chosen Option : 4

Q.2 Select the most appropriate meaning of the given idiom.

Back to square one

- Ans
- 1. Come to the original point
  - 2. Neglect something
  - 3. Draw a square
  - 4. Move ahead

Question ID : 31436094  
Status : Answered  
Chosen Option : 1

Q.3 Select the most appropriate word to substitute the underlined word of the given sentence. If substitution is not required select 'No improvement'.

To fight on the battlefield for the sake of one's country needs a great strongness.

- Ans
- 1. great courage
  - 2. a lots of strength
  - 3. No improvement
  - 4. the greatest strongness

Question ID : 31436080  
Status : Answered  
Chosen Option : 1

Q.4 Select the correct active form of the given sentence.

This beautiful story was written by Maya.

- Ans
- 1. Maya is writing this beautiful story.
  - 2. Maya writes this beautiful story.
  - 3. Maya wrote this beautiful story.
  - 4. Maya was writing this beautiful story.

Question ID : 31436078  
Status : Answered  
Chosen Option : 3

**Q.5 Select the wrongly spelt word.**

- Ans  1. Tamarind  
 2. Tresure  
 3. Truthful  
 4. Turmoil

Question ID : 31436098  
Status : Answered  
Chosen Option : 2

**Q.6 Select the wrongly spelt word.**

- Ans  1. Consumation  
 2. Compromise  
 3. Competence  
 4. Chronology

Question ID : 31436099  
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.

'A stitch in time saves nine'. This wise saying suggests that an (1)\_\_\_\_\_ action taken on time to rectify an error rules (2)\_\_\_\_\_ the possibility of accumulation of such errors and future (3)\_\_\_\_\_. Wisdom, therefore lies in correcting the error as soon as it is (4)\_\_\_\_\_. There is no point-in allowing the (5)\_\_\_\_\_ to grow and then take hasty actions to set things right.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option for blank no. 1**

- Ans  1. superficial  
 2. wrong  
 3. opposite  
 4. appropriate

Question ID : 31436083  
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.

'A stitch in time saves nine'. This wise saying suggests that an (1)\_\_\_\_\_ action taken on time to rectify an error rules (2)\_\_\_\_\_ the possibility of accumulation of such errors and future (3)\_\_\_\_\_. Wisdom, therefore lies in correcting the error as soon as it is (4)\_\_\_\_\_. There is no point-in allowing the (5)\_\_\_\_\_ to grow and then take hasty actions to set things right.

**SubQuestion No : 8**

**Q.8 Select the most appropriate option for blank no. 2**

- Ans
- 1. at
  - 2. in
  - 3. for
  - 4. out

Question ID : 31436084

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.

'A stitch in time saves nine'. This wise saying suggests that an (1)\_\_\_\_\_ action taken on time to rectify an error rules (2)\_\_\_\_\_ the possibility of accumulation of such errors and future (3)\_\_\_\_\_. Wisdom, therefore lies in correcting the error as soon as it is (4)\_\_\_\_\_. There is no point-in allowing the (5)\_\_\_\_\_ to grow and then take hasty actions to set things right.

**SubQuestion No : 9**

**Q.9 Select the most appropriate option for blank no. 3**

- Ans
- 1. facilities
  - 2. qualities
  - 3. advantages
  - 4. damages

Question ID : 31436085

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.

'A stitch in time saves nine'. This wise saying suggests that an (1)\_\_\_\_\_ action taken on time to rectify an error rules (2)\_\_\_\_\_ the possibility of accumulation of such errors and future (3)\_\_\_\_\_. Wisdom, therefore lies in correcting the error as soon as it is (4)\_\_\_\_\_. There is no point-in allowing the (5)\_\_\_\_\_ to grow and then take hasty actions to set things right.

**SubQuestion No : 10**

**Q.10 Select the most appropriate option for blank no. 4**

- Ans
- 1. invented
  - 2. discovered
  - 3. managed
  - 4. proposed

Question ID : 31436086

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.

'A stitch in time saves nine'. This wise saying suggests that an (1)\_\_\_\_\_ action taken on time to rectify an error rules (2)\_\_\_\_\_ the possibility of accumulation of such errors and future (3)\_\_\_\_\_. Wisdom, therefore lies in correcting the error as soon as it is (4)\_\_\_\_\_. There is no point-in allowing the (5)\_\_\_\_\_ to grow and then take hasty actions to set things right.

**SubQuestion No : 11**

**Q.11 Select the most appropriate option for blank no. 5**

- Ans
- 1. parody
  - 2. remedy
  - 3. melody
  - 4. malady

Question ID : 31436087  
Status : Answered  
Chosen Option : 1

**Q.12 Select one word for the following group of words.**

**Open refusal to obey orders**

- Ans
- 1. Defiance
  - 2. Compliance
  - 3. Adherence
  - 4. Obedience

Question ID : 31436097  
Status : Answered  
Chosen Option : 1

**Q.13 Select the antonym of the given word.**

**BROAD**

- Ans
- 1. Narrow
  - 2. Wide
  - 3. Long
  - 4. Large

Question ID : 31436092  
Status : Answered  
Chosen Option : 1

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

The boy which stole the money was caught by the police.

- Ans
- 1. by the police
  - 2. stole the money
  - 3. The boy which
  - 4. was caught

Question ID : 31436076  
Status : Answered  
Chosen Option : 3

Q.15 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. "We are going to the market," declared Reetu and Geetu.
- B. "Where are you going?" the father asked.
- C. "Take your umbrella, it is going to rain," the mother said.
- D. "Yes, definitely. We will," replied the two.

- Ans
- 1. DCAB
  - 2. ABDC
  - 3. BACD
  - 4. BCDA

Question ID : 31436088  
Status : Answered  
Chosen Option : 3

Q.16 Select the synonym of the given word.

PREVENT

- Ans
- 1. Allow
  - 2. Construct
  - 3. Avert
  - 4. Provoke

Question ID : 31436090  
Status : Answered  
Chosen Option : 3

Q.17 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Eventually, she overcame adversities and achieved success.
- B. She engaged herself in 'earn while you learn', finance scheme in her college.
- C. She needed financial support to complete her graduation.
- D. Rama was a very poor girl.

- Ans
- 1. CBDA
  - 2. ADCB
  - 3. ABCD
  - 4. DCBA

Question ID : 31436089  
Status : Answered  
Chosen Option : 4

Q.18 Select the synonym of the given word.

REVERE

- Ans
- 1. Condemn
  - 2. Repeat
  - 3. Enjoy
  - 4. Respect

Question ID : 31436091  
Status : Answered  
Chosen Option : 2

Q.19 Select the correct direct form of the given sentence.

The teacher commanded the students not to shout.

- Ans
- 1. The teacher said to the students, "Don't shout."
  - 2. The teacher said to the student, "You should not shout."
  - 3. The teacher told to the students, "You must not shout."
  - 4. The teacher says to the students, "Do not shout."

Question ID : 31436079  
Status : Answered  
Chosen Option : 1

Q.20 Select the most appropriate meaning of the given idiom.

Dead heat

- Ans
- 1. A deadly blast of hot air
  - 2. A strong heat wave
  - 3. Close contest that ends in a tie
  - 4. Strong opposition to one's ideas

Question ID : 31436095  
Status : Answered  
Chosen Option : 3

Q.21 Select the most appropriate word to fill in the blank.

The groom stood before the \_\_\_\_\_ for the wedding ceremony at the church.

- Ans
- 1. atlas
  - 2. alter
  - 3. altar
  - 4. attic

Question ID : 314360101  
Status : Answered  
Chosen Option : 3

Q.22 Select the most appropriate segment to substitute the underlined segment of the given sentence. If substitution is not required select 'no improvement'.

The animal resembled with a cat.

- Ans
- 1. resembled by
  - 2. resembled to
  - 3. resembled
  - 4. No improvement

Question ID : 31436081  
Status : Answered  
Chosen Option : 2

Q.23 Select one word for the following group of words.

Morals that govern one's behavior

- Ans
- 1. Ethics
  - 2. Intuition
  - 3. Psychology
  - 4. Attitude

Question ID : 31436096  
Status : Answered  
Chosen Option : 1

Q.24 Select the most appropriate word to fill in the blank.

She \_\_\_\_\_ on paying the bill at the restaurant.

- Ans
- 1. requested
  - 2. insisted
  - 3. offered
  - 4. suggested

Question ID : 314360100  
Status : Answered  
Chosen Option : 2

Q.25 In the sentence identify the segment which contains the grammatical error.

Saraswati college has maintained its reputation as one of the best college in the country.

- Ans
- 1. Saraswati college has maintained
  - 2. its reputation as
  - 3. in the country
  - 4. one of the best college

Question ID : 31436077  
Status : Answered  
Chosen Option : 3