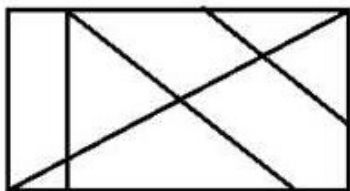


Combined Graduate Level Examination-2019 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 3 Wadi MIDC Techgressor Soft Solutions Pvt. Ltd. Nagpur
Exam Date	04/03/2020
Exam Time	1:00 PM - 2:00 PM
Subject	CGLE Tier I

Section : General Intelligence and Reasoning

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



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

Question ID : 816161132

Status : Answered

Chosen Option : 1

Q.2 $A + B$ means 'B is the sister of A';
 $A - B$ means 'A is the father of B';
 $A \times B$ means 'B is the son of A';
 $A \div B$ means 'B is the husband of A'.
 If, $E \div F - H + J \times G + D$, then how is D related to H?

- Ans
- ☒ 1. Uncle
 - ☒ 2. Father
 - ☒ 3. Niece
 - ☒ 4. Aunt

Question ID : 816161122

Status : Answered

Chosen Option : 3

Q.3 'Grapes' is related to 'Fruit' in the same way as 'Pepper' is related to '_____'.
Ans

- ☒ 1. Pulses
- ☒ 2. Dry Fruits
- ☒ 3. Spices
- ☒ 4. Cereals

Question ID : 816161117

Status : Answered

Chosen Option : 3

Q.4 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '@'.



- Ans
- ☒ 1. !
 - ☒ 2. &
 - ☒ 3. <
 - ☒ 4. #

Question ID : 816161133

Status : Answered

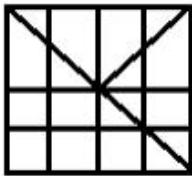
Chosen Option : 4

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

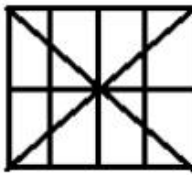


Ans

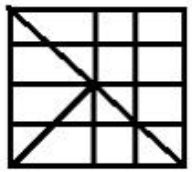
☒ 1.



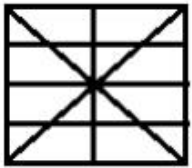
☒ 2.



☒ 3.



☒ 4.



Question ID : 816161134

Status : Answered

Chosen Option : 2

Q.6 Select the letter-cluster that can replace the question mark (?) in the following series.

AOS, CQU, ?, GUY, IWA

Ans

☒ 1. FSX

☒ 2. DRV

☒ 3. ESW

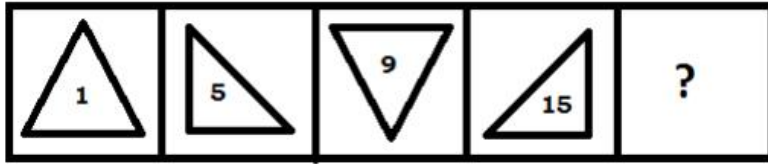
☒ 4. GSW

Question ID : 816161121

Status : Answered

Chosen Option : 3

Q.7 Select the figure that can replace the question mark (?) in the following series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 816161131

Status : Answered

Chosen Option : 4

Q.8 Select the number that can replace the question mark (?) in the following series.

4, 25, 121, ?, 529, 961

Ans

- ☒ 1. 361
- ☒ 2. 256
- ☒ 3. 324
- ☒ 4. 289

Question ID : 816161124

Status : Marked For Review

Chosen Option : 4

Q.9 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. 8-138
☐ 2. 11-143
☐ 3. 6-174
☐ 4. 5-155

Question ID : 816161126

Status : Answered

Chosen Option : 1

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

Turmeric : Spices

- Ans** ☐ 1. Fig : Cashew Nuts
☒ 2. Dates : Dry Fruits
☐ 3. Nutmeg : Chilli Flakes
☐ 4. Apricot : Pear

Question ID : 816161118

Status : Answered

Chosen Option : 2

Q.11 Select the option that is related to the third number in the same way as the second number is related to the first number.

6 : 252 :: 5 : ?

- Ans** ☐ 1. 175
☒ 2. 150
☐ 3. 125
☐ 4. 225

Question ID : 816161125

Status : Answered

Chosen Option : 2

Q.12 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. All cars are trucks.
2. Some buses are cars.

Conclusions:

- I. All cars are buses.
- II. Some buses are trucks.
- III. All trucks are buses.

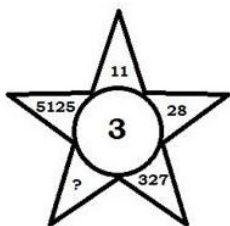
- Ans**
- ☒ 1. Only conclusions II and III follow.
 - ☒ 2. Only conclusion I follows.
 - ☒ 3. Only conclusion II follows.
 - ☒ 4. Only conclusions I and III follow.

Question ID : 816161123

Status : Answered

Chosen Option : 3

Q.13 Study the given pattern carefully and select the number that can replace the question mark (?) in it



- Ans**
- ☒ 1. 446
 - ☒ 2. 464
 - ☒ 3. 4126
 - ☒ 4. 444

Question ID : 816161128

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.14 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. HFE
 - ☒ 2. GMF
 - ☒ 3. DVR
 - ☒ 4. OVG

Question ID : 816161115

Status : Marked For Review

Chosen Option : 1

Q.15 Product A is costlier than product B by ₹2. If the price of product A is increased by two times the price of product B, the new price of product A becomes ₹17. What is the price of product B?

- Ans**
- ☒ 1. ₹5
 - ☐ 2. ₹6
 - ☐ 3. ₹3
 - ☐ 4. ₹7

Question ID : **816161130**
Status : **Not Answered**
Chosen Option : --

Q.16 Select the letter that can replace the question mark (?) in the following series.

W, Q, ?, H, E, C

- Ans**
- ☐ 1. K
 - ☐ 2. N
 - ☒ 3. L
 - ☐ 4. M

Question ID : **816161113**
Status : **Answered**
Chosen Option : 3

Q.17 In a certain code language, 'GUM' is coded as '49441169'. How will 'WAX' be coded as in that language?

- Ans**
- ☒ 1. 5291576
 - ☐ 2. 2891400
 - ☐ 3. 3611121
 - ☐ 4. 8412525

Question ID : **816161120**
Status : **Answered**
Chosen Option : 1

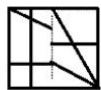
Q.18 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

10	3	14
49	15	68
33	19	?

- Ans**
- ☒ 1. 28
 - ☐ 2. 29
 - ☐ 3. 25
 - ☐ 4. 27

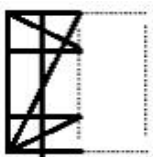
Question ID : **816161127**
Status : **Answered**
Chosen Option : 1

Q.19 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

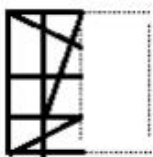


Ans

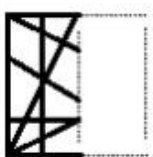
☒ 1.



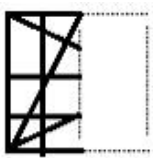
☒ 2.



☒ 3.



☒ 4.



Question ID : 816161136

Status : Answered

Chosen Option : 4

Q.20 Which two digits should be interchanged to make the given equation correct?

$$32 \div 6 + 26 - 13 \times 6 = 54$$

Ans

☒ 1. 2 and 3

☒ 2. 6 and 2

☒ 3. 3 and 1

☒ 4. 3 and 6

Question ID : 816161129

Status : Not Answered

Chosen Option : --

Q.21 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans

☒ 1. Ahmedabad

☒ 2. Surat

☒ 3. Jhalrapatan

☒ 4. Rajkot

Question ID : 816161116

Status : Answered

Chosen Option : 3

Q.22 In a certain code language, PYTHON' is written as 'LMFRWN'. How will 'RHYTHM' be written as in that language?

- Ans ☒ 1. KFRWFP
☒ 2. NFRWFS
☒ 3. MFRWFT
☒ 4. MFRWFX

Question ID : 816161119

Status : Answered

Chosen Option : 2

Q.23 Arrange the following words in a logical and meaningful order.

1. Micron
2. Metre
3. Mile
4. Millimetre
5. Kilometre
6. Centimetre

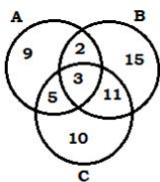
- Ans ☒ 1. 4-6-2-5-3-1
☒ 2. 4-6-2-5-1-3
☒ 3. 1-4-6-2-5-3
☒ 4. 1-4-6-2-3-5

Question ID : 816161114

Status : Answered

Chosen Option : 3

Q.24 In the given Venn diagram, 'Group A' represents those who can speak 'English', 'Group B' represents those who can speak 'Hindi', and 'Group C' represents those who can speak 'Marathi'. The numbers given in the diagram represent the number of persons in that particular category.



How many persons can speak exactly two languages?

- Ans ☒ 1. 18
☒ 2. 3
☒ 3. 21
☒ 4. 12

Question ID : 816161137

Status : Answered

Chosen Option : 1

Q.25 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 816161135

Status : Answered

Chosen Option : 1

Section : General Awareness

Q.1 The development of a fruit without fertilization is called ____.

Ans

✗ 1. Gametogamy

✓ 2. Parthenocarpy

✗ 3. Hybridogenesis

✗ 4. Apomixis

Question ID : 816161142

Status : Marked For Review

Chosen Option : 3

Q.2 Which of the following is NOT a nationalised bank?

Ans

✗ 1. United Bank of India

✓ 2. State Bank of India

✗ 3. Punjab National Bank

✗ 4. Punjab and Sind Bank

Question ID : 816161141

Status : Answered

Chosen Option : 4

Q.3 In the sequence of planets in the solar system, which planet comes in between Mars and Saturn?

- Ans
- ☒ 1. Venus
 - ☒ 2. Mercury
 - ☒ 3. Uranus
 - ☒ 4. Jupiter

Question ID : **816161147**
Status : **Answered**
Chosen Option : **4**

Q.4 Which Tennis star will have a Swiss coin minted in his/her honour?

- Ans
- ☒ 1. Novak Djokovic
 - ☒ 2. Roger Federer
 - ☒ 3. Serena Williams
 - ☒ 4. Rafael Nadal

Question ID : **816161159**
Status : **Marked For Review**
Chosen Option : **2**

Q.5 Who is the first Indian to bag two International hat-tricks in cricket?

- Ans
- ☒ 1. Virat Kohli
 - ☒ 2. Kuldeep Yadav
 - ☒ 3. Kedar Jadhav
 - ☒ 4. Rohit Sharma

Question ID : **816161158**
Status : **Marked For Review**
Chosen Option : **2**

Q.6 In which city was the Jhanda Satyagraha or Flag Satyagraha of 1923 held?

- Ans
- ☒ 1. Bombay
 - ☒ 2. Nagpur
 - ☒ 3. Calcutta
 - ☒ 4. Ahmedabad

Question ID : **816161153**
Status : **Answered**
Chosen Option : **2**

Q.7 Which pillar inscriptions has recorded the achievements of Samudra Gupta, who was known as the 'Napoleon of India' for his conquests?

- Ans
- ☒ 1. Iron Pillar
 - ☒ 2. Sun Pillar
 - ☒ 3. Vijaya Stambha
 - ☒ 4. Allahabad Pillar

Question ID : **816161150**
Status : **Answered**
Chosen Option : **3**

Q.8 John Maynard Keynes, best known for his economic theories (Keynesian economics), hailed from which country?

- Ans
- ☒ 1. Sweden
 - ☒ 2. Denmark
 - ☒ 3. Australia
 - ☒ 4. England

Question ID : **816161140**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Which part of the body is responsible for the manufacture of red blood cells?

- Ans
- ☒ 1. Lungs
 - ☒ 2. Heart
 - ☒ 3. Brain
 - ☒ 4. Bone marrow

Question ID : **816161143**
Status : **Answered**
Chosen Option : **2**

Q.10 Which of the following is NOT a twin city of India?

- Ans
- ☒ 1. Ahmedabad and Gandhinagar
 - ☒ 2. Hubli and Dharwad
 - ☒ 3. Thrissur and Thiruvalla
 - ☒ 4. Cuttack and Bhubaneswar

Question ID : **816161149**
Status : **Answered**
Chosen Option : **3**

Q.11 Which city of India is known as 'The Athens of the East'?

- Ans
- ☒ 1. Allahabad
 - ☒ 2. Patna
 - ☒ 3. Madurai
 - ☒ 4. Kochi

Question ID : 816161148
Status : Answered
Chosen Option : 2

Q.12 Which US based Indian topped the Forbes India's '20 people to watch in the 2020s' list?

- Ans
- ☒ 1. Hasan Minhaj
 - ☒ 2. Dushyant Chautala
 - ☒ 3. Prashant Kishor
 - ☒ 4. Mahua Moitra

Question ID : 816161161
Status : Answered
Chosen Option : 4

Q.13 Jellyfish are an example of which type of phylum?

- Ans
- ☒ 1. Phylum -Ctenophora
 - ☒ 2. Phylum -Porifera
 - ☒ 3. Phylum - Cnidaria
 - ☒ 4. Phylum -Protozoa

Question ID : 816161146
Status : Answered
Chosen Option : 4

Q.14 Who chaired the sixth meeting of the Island Development Agency in New Delhi in January 2020?

- Ans
- ☒ 1. Narendra Modi
 - ☒ 2. Amit Shah
 - ☒ 3. Nirmala Sitharaman
 - ☒ 4. Nitin Gadkari

Question ID : 816161162
Status : Not Answered
Chosen Option : --

Q.15 Who was appointed as Managing Director of the International Monetary Fund in October, 2019?

- Ans
- ☒ 1. Rodrigo Rato
 - ☒ 2. Dominique Strauss-Kahn
 - ☒ 3. Kristalina Georgieva
 - ☒ 4. Christine Lagarde

Question ID : 816161154
Status : Answered
Chosen Option : 4

Q.16 Methane is a colourless, odourless, non-toxic but flammable gas. What is its common name?

- Ans
- ☒ 1. Blue vitriol
 - ☒ 2. Laughing gas
 - ☒ 3. Heating gas
 - ☒ 4. Marsh gas

Question ID : 816161145
Status : Answered
Chosen Option : 4

Q.17 Freedom fighter Sucheta Kripalani, became the first woman chief minister of which state?

- Ans
- ☒ 1. Rajasthan
 - ☒ 2. Andhra Pradesh
 - ☒ 3. Gujarat
 - ☒ 4. Uttar Pradesh

Question ID : 816161157
Status : Answered
Chosen Option : 4

Q.18 In which period was the legendary Victoria Terminus station (currently Chhatrapati Shivaji Maharaj Terminus), Mumbai built?

- Ans
- ☒ 1. 1878 to 1888
 - ☒ 2. 1843 to 1853
 - ☒ 3. 1933 to 1943
 - ☒ 4. 1911 to 1921

Question ID : 816161152
Status : Answered
Chosen Option : 2

Q.19 Who was the first Governor of Madhya Pradesh?

- Ans
- ☒ 1. BD Sharma
 - ☒ 2. Dr. Sitaramayya
 - ☒ 3. GP Singh
 - ☒ 4. NN Wanchu

Question ID : 816161151
Status : Answered
Chosen Option : 1

Q.20 In which state has the Jawara Dance, a dance form to celebrate wealth, originated?

- Ans
- ☒ 1. Rajasthan
 - ☒ 2. Gujarat
 - ☒ 3. Madhya Pradesh
 - ☒ 4. Kerala

Question ID : 816161139
Status : Not Answered
Chosen Option : --

Q.21 In which state did the second phase of Intensified Mission Indradhanush (IMI) 2.0 begin in January 2020?

- Ans
- ☒ 1. Uttar Pradesh
 - ☒ 2. Punjab
 - ☒ 3. Kerala
 - ☒ 4. Bihar

Question ID : 816161160
Status : Answered
Chosen Option : 3

Q.22 Who was chosen as foreign secretary of India in January 2020?

- Ans
- ☒ 1. Vijay Keshav Gokhale
 - ☒ 2. Nirupama Rao
 - ☒ 3. Ranjan Mathai
 - ☒ 4. Harsh Vardhan Shringla

Question ID : 816161156
Status : Answered
Chosen Option : 1

Q.23 Which Union Minister of Home Affairs released a book titled Karmayodha Granth in New Delhi?

- Ans
- ☒ 1. Rajnath Singh
 - ☒ 2. P Chidambaram
 - ☒ 3. Amit Shah
 - ☒ 4. Sushilkumar Shinde

Question ID : **816161155**
Status : **Answered**
Chosen Option : **3**

Q.24 Georg Simon Ohm in whose honour we have the famous Ohm's Law, hailed from which country?

- Ans
- ☒ 1. Germany
 - ☒ 2. Spain
 - ☒ 3. Poland
 - ☒ 4. Russia

Question ID : **816161144**
Status : **Not Answered**
Chosen Option : --

Q.25 Which city in India is world renowned for one of the most traditional embroidery styles, Chikankari?

- Ans
- ☒ 1. Ahmedabad
 - ☒ 2. Lucknow
 - ☒ 3. Hyderabad
 - ☒ 4. Udaipur

Question ID : **816161138**
Status : **Answered**
Chosen Option : **3**

Section : Quantitative Aptitude

Q.1 If the 6-digit numbers $x35624$ and $1257y4$ are divisible by 11 and 72, respectively, then what is the value of $(5x - 2y)$?

- Ans
- ☒ 1. 14
 - ☒ 2. 12
 - ☒ 3. 10
 - ☒ 4. 13

Question ID : **816161163**
Status : **Answered**
Chosen Option : **1**

- Q.2** The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years → Product ↓	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

What is the ratio of the total revenue of the company in 2014 from the sale of all the four products to the total revenue from the sale of product C in 2014 to 2017?

- Ans
- ☒ 1. 14 : 23
- ☒ 2. 18 : 19
- ☒ 3. 7 : 10
- ☒ 4. 7 : 9

Question ID : 816161184

Status : Answered

Chosen Option : 2

- Q.3** If $P = \frac{x^4 - 8x}{x^3 - x^2 - 2x}$, $Q = \frac{x^2 + 2x + 1}{x^2 - 4x - 5}$ and $R = \frac{2x^2 + 4x + 8}{x - 5}$, then $(P \times Q) \div R$ is equal to:

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

Question ID : 816161174

Status : Answered

Chosen Option : 1

- Q.4** The value of $\frac{5\frac{1}{2} \div 3\frac{2}{3} \text{ of } \frac{1}{4} + (5\frac{1}{9} - 7\frac{7}{8} \div 9\frac{9}{20}) \times \frac{9}{11}}{5 \div 5 \text{ of } \frac{1}{10} - 10 \times 10 \div 20}$ is:

- Ans
- ☒ 1. $1\frac{4}{5}$
- ☒ 2. $1\frac{9}{10}$
- ☒ 3. $3\frac{4}{5}$
- ☒ 4. $9\frac{1}{2}$

Question ID : 816161164

Status : Answered

Chosen Option : 2

Q.5 PRT is a tangent to a circle with centre O, at the point R on it. Diameter SQ of the circle is produced to meet the tangent at P and QR is joined. If $\angle QRP = 28^\circ$, then the measure of $\angle SPR$ is:

- Ans
- ☒ 1. 29°
 - ☒ 2. 34°
 - ☒ 3. 62°
 - ☒ 4. 32°

Question ID : 816161177

Status : Answered

Chosen Option : 3

Q.6 In $\triangle PQR$, $\angle Q = 85^\circ$ and $\angle R = 65^\circ$. Points S and T are on the sides PQ and PR, respectively such that $\angle STR = 95^\circ$, and the ratio of the QR and ST is 9 : 5. If PQ = 21.6 cm, then the length of PT is:

- Ans
- ☒ 1. 10.5 cm
 - ☒ 2. 9.6 cm
 - ☒ 3. 12 cm
 - ☒ 4. 9 cm

Question ID : 816161180

Status : Not Answered

Chosen Option : --

Q.7 The income of A is 60% less than that of B, and the expenditure of A is equal to 60% of B's expenditure. If A's income is equal to 70% of B's expenditure, then what is the ratio of the savings of A and B?

- Ans
- ☒ 1. 3 : 8
 - ☒ 2. 5 : 9
 - ☒ 3. 4 : 7
 - ☒ 4. 2 : 15

Question ID : 816161167

Status : Answered

Chosen Option : 4

Q.8 If $a + b + c = 7$ and $ab + bc + ca = -6$, then the value of $a^3 + b^3 + c^3 - 3abc$ is:

- Ans
- ☒ 1. 469
 - ☒ 2. 472
 - ☒ 3. 463
 - ☒ 4. 479

Question ID : 816161176

Status : Marked For Review

Chosen Option : 1

Q.9 The marked price of an article is ₹740. After two successive discounts of 15% and $x\%$, it is sold for ₹566.10. What is the value of x ?

- Ans
- ☒ 1. 12
 - ☒ 2. 5
 - ☒ 3. 10
 - ☒ 4. 20

Question ID : 816161166

Status : Answered

Chosen Option : 3

Q.10 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years Product →	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

By what percentage is the total revenue of the company from the sale of products A, B and D in 2012 and 2013 more than the total revenue from the sale of product B in 2013 to 2016? (Correct to one decimal place)

- Ans
- ☒ 1. 44.5
 - ☒ 2. 31.2
 - ☒ 3. 43.6
 - ☒ 4. 45.4

Question ID : 816161187

Status : Not Answered

Chosen Option : --

Q.11 The difference in compound interest on a certain sum at 10% p.a. for one year, when the interest is compounded half yearly and yearly, is ₹88.80. What is the simple interest on the same sum for $1\frac{2}{3}$ years at the same rate?

- Ans
- ☒ 1. ₹5,916
 - ☒ 2. ₹5,986
 - ☒ 3. ₹5,980
 - ☒ 4. ₹5,920

Question ID : 816161170

Status : Not Answered

Chosen Option : --

Q.12 If $30x^2 - 15x + 1 = 0$, then what is the value of $25x^2 + (36x^2)^{-1}$?

Ans

☒ 1. $\frac{9}{2}$

☒ 2. $6\frac{1}{4}$

☒ 3. $\frac{65}{12}$

☒ 4. $\frac{55}{12}$

Question ID : 816161175

Status : Answered

Chosen Option : 4

Q.13 The ratio of boys and girls in a group is 7 : 6. If 4 more boys join the group and 3 girls leave the group, then the ratio of boys to girls becomes 4 : 3. What is the total number of boys and girls initially in the group?

Ans

☒ 1. 117

☒ 2. 78

☒ 3. 91

☒ 4. 104

Question ID : 816161169

Status : Answered

Chosen Option : 4

Q.14 In $\triangle ABC$, D and E are the points on sides AC and BC, respectively such that $DE \parallel AB$. F is a point on CE such that $DF \parallel AE$. If CE = 6 cm, and CF = 2.5 cm, then BC is equal to:

Ans

☒ 1. 14.4 cm

☒ 2. 15.6 cm

☒ 3. 14 cm

☒ 4. 12 cm

Question ID : 816161179

Status : Answered

Chosen Option : 1

Q.15 Two chords AB and CD of a circle are produced to intersect each other at a point P outside the circle. If AB = 7 cm, BP = 4.2 cm and PD = 2.8 cm, then the length of CD is:

Ans

☒ 1. 12 cm

☒ 2. 14.6 cm

☒ 3. 15.8 cm

☒ 4. 14 cm

Question ID : 816161178

Status : Not Answered

Chosen Option : --

Q.16 One-third of goods are sold at a 15% profit, 25% of the goods are sold at a 20% profit and the rest at a 20% loss. If the total profit of ₹138.50 is earned on the whole transaction, then the value (in ₹) of the goods is:

- Ans
- ☒ 1. ₹8,587
 - ☒ 2. ₹8,030
 - ☒ 3. ₹7,756
 - ☒ 4. ₹8,310

Question ID : 816161168

Status : Not Answered

Chosen Option : --

Q.17 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years → Product ↓	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

The number of years in which the revenue of the company from the sale of product D is more than the average revenue from the sale of product A over six years, is:

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

Question ID : 816161185

Status : Not Answered

Chosen Option : --

Q.18 If $7\sin^2\theta - \cos^2\theta + 2\sin\theta = 2$, $0^\circ < \theta < 90^\circ$, then the value of $\frac{\sec 2\theta + \cot 2\theta}{\operatorname{cosec} 2\theta + \tan 2\theta}$ is:

- Ans
- ☒ 1. $\frac{2\sqrt{3}+1}{3}$
 - ☒ 2. 1
 - ☒ 3. $\frac{1}{5}(1+2\sqrt{3})$
 - ☒ 4. $\frac{2}{5}(1+\sqrt{3})$

Question ID : 816161181

Status : Not Answered

Chosen Option : --

Q.19 A and B, working together, can complete a work in d days. Working alone, A takes $(8 + d)$ days and B takes $(18 + d)$ days to complete the same work. A works for 4 days. The remaining work will be completed by B alone, in:

- Ans
- ☒ 1. 24 days
 - ☐ 2. 16 days
 - ☐ 3. 18 days
 - ☐ 4. 20 days

Question ID : 816161171

Status : Not Answered

Chosen Option : --

Q.20 The average weight of some students in a class was 58.4 kg. When 5 students having the average weight 62.8 kg joined the class, the average weight of all students in the class increased by 0.55 kg. The number of students initially in the class, were:

- Ans
- ☐ 1. 30
 - ☒ 2. 35
 - ☐ 3. 25
 - ☐ 4. 40

Question ID : 816161165

Status : Not Answered

Chosen Option : --

Q.21 The expression $3\sec^2\theta \tan^2\theta + \tan^6\theta - \sec^6\theta$ is equal to:

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

Question ID : 816161183

Status : Answered

Chosen Option : 4

Q.22 The time taken by a boat to travel 13 km downstream is the same as time taken by it to travel 7 km upstream. If the speed of the stream is 3 km/h, then how much time (in hours) will it take to travel a distance of 44.8 km in still water?

- Ans
- ☒ 1. $4\frac{12}{25}$
 - ☐ 2. $5\frac{3}{5}$
 - ☐ 3. $5\frac{2}{5}$
 - ☐ 4. $4\frac{13}{25}$

Question ID : 816161172

Status : Not Answered

Chosen Option : --

Q.23 A cylindrical vessel of radius 30 cm and height 42 cm is full of water. Its contents are emptied into a rectangular tub of length 75 cm and breadth 44 cm. The height (in cm) to which the water rises in the tub is: (Take $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 36
 - ☐ 2. 30
 - ☐ 3. 40
 - ☐ 4. 45

Question ID : **816161173**
Status : **Not Answered**
Chosen Option : --

Q.24 The value of $\frac{\tan^2 \theta - \sin^2 \theta}{2 + \tan^2 \theta + \cot^2 \theta}$ is:

- Ans**
- ☐ 1. $\operatorname{cosec}^6 \theta$
 - ☐ 2. $\cos^4 \theta$
 - ☒ 3. $\sin^6 \theta$
 - ☐ 4. $\sec^4 \theta$

Question ID : **816161182**
Status : **Answered**
Chosen Option : 2

Q.25 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Years → Product ↓	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	102

The total revenue of the company from the sale of products B, C and D in 2014 is what percentage of the total revenue from the sale of products C and D in 6 years?

- Ans**
- ☐ 1. 18
 - ☒ 2. 25
 - ☐ 3. 28
 - ☐ 4. 20

Question ID : **816161186**
Status : **Not Answered**
Chosen Option : --

Section : English Comprehension

Q.1 Select the most appropriate ANTONYM of the given word.

Obsolete

- Ans
- ☒ 1. Remote
 - ☐ 2. Recent
 - ☒ 3. Outdated
 - ☒ 4. Rigid

Question ID : 816161204

Status : Answered

Chosen Option : 2

Q.2 Select the correctly spelt word.

- Ans
- ☒ 1. Encouragement
 - ☒ 2. Embarasment
 - ☒ 3. Conscinteous
 - ☒ 4. Comotion

Question ID : 816161211

Status : Answered

Chosen Option : 1

Q.3 Select the most appropriate meaning of the given Idiom.

The bee's knees

- Ans
- ☒ 1. Observant
 - ☒ 2. Foolish
 - ☒ 3. Problematic
 - ☒ 4. Extraordinary

Question ID : 816161207

Status : Answered

Chosen Option : 3

Q.4 Select the word which means the same as the given group of words.

One who loads and unloads ships.

- Ans
- ☒ 1. Spinster
 - ☒ 2. Stevedore
 - ☒ 3. Captain
 - ☒ 4. Rustic

Question ID : 816161209

Status : Answered

Chosen Option : 2

Q.5 Select the word which means the same as the given group of words.

A sudden rush of a large number of frightened people or animals.

- Ans
- ☒ 1. Scapegoat
 - ☒ 2. Recluse
 - ☒ 3. Stampede
 - ☒ 4. Lunacy

Question ID : **816161208**

Status : **Answered**

Chosen Option : **3**

Q.6 Select the most appropriate word to fill in the blank.

A reward is a _____ which motivates a person to achieve excellence in his field.

- Ans
- ☒ 1. monument
 - ☒ 2. collection
 - ☒ 3. recognition
 - ☒ 4. memorial

Question ID : **816161212**

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.

Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

SubQuestion No : 7

Q.7 Select the most appropriate option for blank number (1)

- Ans
- ☒ 1. happily
 - ☒ 2. usually
 - ☒ 3. slowly
 - ☒ 4. proudly

Question ID : **816161195**

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.

Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

SubQuestion No : 8

Q.8 Select the most appropriate option for blank number (2)

- Ans
- ☒ 1. disadvantage
 - ☒ 2. virtue
 - ☒ 3. dream
 - ☒ 4. curse

Question ID : 816161196

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.

Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

SubQuestion No : 9

Q.9 Select the most appropriate option for blank number (3)

- Ans
- ☒ 1. succeed
 - ☒ 2. succeeds
 - ☒ 3. successful
 - ☒ 4. success

Question ID : 816161197

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.

Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

SubQuestion No : 10

Q.10 Select the most appropriate option for blank number (4)

- Ans
- ☒ 1. makes
 - ☒ 2. make
 - ☒ 3. had made
 - ☒ 4. made

Question ID : 816161198

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.

Discipline is doing any work with rules and regulations. It is (1)_____ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)_____ for students and people in different professions. A disciplined person always (3)_____ in each and every field of life. Disciplined people (4)_____ a disciplined society and a powerful nation. Discipline should not be (5)_____ upon the people, rather it should come from within.

SubQuestion No : 11

Q.11 Select the most appropriate option for blank number (5)

- Ans
- ☒ 1. curbed
 - ☒ 2. adorned
 - ☒ 3. imposed
 - ☒ 4. reposed

Question ID : 816161199

Status : Answered

Chosen Option : 3

Q.12 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. They can then purchase them on subsidized rates with additional loan facilities.
- B. It will import technologically advanced medical instruments and provide them to entrepreneurs.
- C. The Indian Government has announced certain facilities in the budget session.
- D. This will help in strengthening the economic condition of entrepreneurs.

- Ans
- ☒ 1. BDCA
 - ☒ 2. CADB
 - ☒ 3. CBAD
 - ☒ 4. DCAB

Question ID : 816161201
Status : Not Answered
Chosen Option : --

Q.13 Select the most appropriate meaning of the given idiom.

To throw a fit

- Ans
- ☒ 1. Become unconscious
 - ☒ 2. Caution someone about fitness
 - ☒ 3. Express extreme anger
 - ☒ 4. Faint and fall down

Question ID : 816161206
Status : Answered
Chosen Option : 3

Q.14 Select the most appropriate ANTONYM of the given word.

Derogatory

- Ans
- ☒ 1. Depreciating
 - ☒ 2. Complimentary
 - ☒ 3. Intricate
 - ☒ 4. Insulting

Question ID : 816161205
Status : Answered
Chosen Option : 2

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

Acknowledgement

- Ans
- ☒ 1. Confusion
 - ☒ 2. Elimination
 - ☒ 3. Compensation
 - ☒ 4. Confirmation

Question ID : 816161202
Status : Answered
Chosen Option : 3

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

Those who follow a healthy routine is likely enjoying good health.

- Ans
- ☒ 1. good health
 - ☒ 2. a healthy routine
 - ☒ 3. is likely enjoying
 - ☒ 4. Those who follow

Question ID : 816161189
Status : Answered
Chosen Option : 3

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

The government should take stringent steps against terrorists and foil their ____ designs.

- Ans
- ☒ 1. exemplary
 - ☒ 2. benevolent
 - ☒ 3. conducive
 - ☒ 4. malicious

Question ID : 816161213
Status : Answered
Chosen Option : 4

Q.18 Select the most appropriate synonym of the given word.

Prodigal

- Ans
- ☒ 1. Trivial
 - ☒ 2. Humble
 - ☒ 3. Extravagant
 - ☒ 4. Arrogant

Question ID : 816161203
Status : Answered
Chosen Option : 3

Q.19 In the sentence identify the segment which contains the grammatical error.

When I reached the cinema hall, the movie had already began.

- Ans
- ☒ 1. already began
 - ☒ 2. the movie had
 - ☒ 3. When I reached
 - ☒ 4. the cinema hall

Question ID : 816161188
Status : Answered
Chosen Option : 1

Q.20 Select the correct passive form of the given sentence.

His elder sister taught him English.

- Ans
- ☒ 1. He is being taught English by his elder sister.
 - ☒ 2. His elder sister is taught English by him.
 - ☒ 3. He has been taught English by his elder sister.
 - ☒ 4. He was taught English by his elder sister.

Question ID : 816161190

Status : Answered

Chosen Option : 4

Q.21 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.

The mathematical calculation of this problem is easy than a previous one.

- Ans
- ☒ 1. easy than the
 - ☒ 2. easier than the
 - ☒ 3. easiest than the
 - ☒ 4. No Improvement

Question ID : 816161192

Status : Answered

Chosen Option : 2

Q.22 Select the correct indirect form of the given sentence.

The teacher said to me, "You have not submitted the assignment."

- Ans
- ☒ 1. The teacher said me that I had not submitted the assignment.
 - ☒ 2. The teacher told to me that I have not submitted that assignment.
 - ☒ 3. The teacher told me that I had not submitted the assignment.
 - ☒ 4. The teacher said to me that I have not submitted the assignment.

Question ID : 816161191

Status : Answered

Chosen Option : 4

Q.23 Select the most appropriate option to substitute the underlined segment in the given sentence.

No effort has been made by the Indian cricket team to cash off on its vibrant image in the World Cup.

- Ans
- ☒ 1. for cash through in
 - ☒ 2. for cashing off on
 - ☒ 3. to cash in on
 - ☒ 4. to cash up on

Question ID : 816161193

Status : Answered

Chosen Option : 4

Q.24 Select the correctly spelt word.

- Ans ☒ 1. Veterinary
☒ 2. Rehersal
☒ 3. Employeed
☒ 4. Seperable

Question ID : 816161210

Status : Answered

Chosen Option : 1

Q.25 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. This is because of its aroma, flavour and variety in the market.
B. Thus, it leads to poor health and mental disorders among children.
C. Children as well as teenagers are tempted towards junk food.
D. It has no or negligible nutritional value and high content of sugar and salt.

- Ans ☒ 1. BCDA
☒ 2. ACDB
☒ 3. CADB
☒ 4. CDAB

Question ID : 816161200

Status : Not Answered

Chosen Option : --