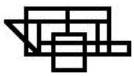


Combined Graduate Level Examination 2020 Tier-I

Roll Number	Join YouTube Channel
Candidate Name	Join YouTube Channel
Venue Name	ION Digital Zone iDZ Gram Raigawan Near Patan Bypass
Exam Date	23/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section : General Intelligence and Reasoning

Q.1 Select the option that is embedded in the given figure (rotation is NOT allowed).



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 81616113738

Status : Answered

Chosen Option : 1

Q.2 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(47, 64, 55)

Ans

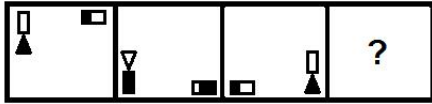
- ☒ 1. (28, 25, 34)
- ☒ 2. (56, 80, 64)
- ☒ 3. (36, 100, 47)
- ☒ 4. (46, 49, 53)

Question ID : 81616113832

Status : Not Answered

Chosen Option : --

Q.3 Select the figure from among the given options that can replace the question mark (?) in the following series.

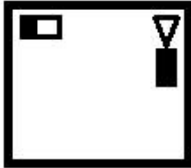


Ans

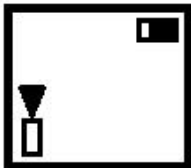
✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 81616114139

Status : Answered

Chosen Option : 4

Q.4 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

YTUQ, XVRU, ?, VZLC, UBIG

Ans ✗ 1. WXPY

✗ 2. WYOX

✗ 3. WYOY

✓ 4. WXYO

Question ID : 81616113717

Status : Answered

Chosen Option : 4

Q.5 Select the option in which the words share the same relationship as that shared by the given pair of words.

Pedology : Soil

- Ans** ☒ 1. Pomology : Fruits
☒ 2. Hepatology : Blood
☒ 3. Cytology : Metabolism
☒ 4. Seismology : Pressure

Question ID : 81616113722

Status : **Answered**

Chosen Option : 2

Q.6 Select the number from among the given options that can replace the question mark (?) in the following series.

18, 29, 42, 59, 78, 101, ?

- Ans** ☒ 1. 137
☒ 2. 121
☒ 3. 125
☒ 4. 130

Question ID : 81616114132

Status : **Answered**

Chosen Option : 4

Q.7 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

F E q 3 2 6 7 G

M
|
N

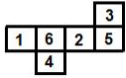
- Ans** ☒ 1. G 7 6 2 3 q E F
☒ 2. G 7 6 2 3 q E F
☒ 3. G 7 6 2 3 q E F
☒ 4. G 7 9 2 3 q E F

Question ID : 81616113739

Status : **Answered**

Chosen Option : 3

Q.8 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers would be opposite to each other?



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

Question ID : **81616113838**
Status : **Answered**
Chosen Option : **4**

Q.9 If 19 July 2000 was a Wednesday, then what would be the day of the week on 15 June 2012?

- Ans**
- ☒ 1. Saturday
 - ☒ 2. Wednesday
 - ☒ 3. Thursday
 - ☒ 4. Friday

Question ID : **81616113734**
Status : **Answered**
Chosen Option : **4**

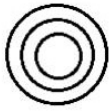
Q.10 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(44, 24, 132)

- Ans**
- ☒ 1. (46, 22, 306)
 - ☒ 2. (16, 26, 186)
 - ☒ 3. (56, 26, 182)
 - ☒ 4. (32, 28, 250)

Question ID : **81616113833**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Select the set of classes, the relationship among which is best illustrated by the following Venn diagram.



- Ans**
- ☒ 1. Literates, Girls, Females
 - ☒ 2. Fathers, Males, Sons
 - ☒ 3. Bats, Humans, Mammals
 - ☒ 4. Boys, Artists, Brothers

Question ID : **81616113842**
Status : **Answered**
Chosen Option : **1**

Q.12 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

- Ans**
- ☒ 1. Energised
 - ☒ 2. Timid
 - ☒ 3. Nostalgic
 - ☒ 4. Excited

Question ID : **81616113821**
Status : **Answered**
Chosen Option : **2**

Q.13 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans**
- ☒ 1. LPVD
 - ☒ 2. LOUC
 - ☒ 3. BFLT
 - ☒ 4. TXDL

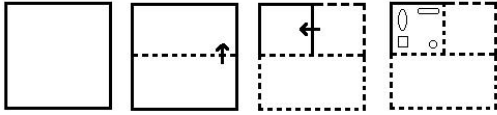
Question ID : **81616114123**
Status : **Answered**
Chosen Option : **2**

Q.14 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.

- Ans**
- ☒ 1. 19 : 622
 - ☒ 2. 14 : 392
 - ☒ 3. 11 : 242
 - ☒ 4. 12 : 288

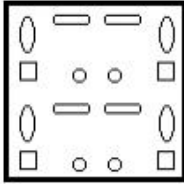
Question ID : **81616113831**
Status : **Answered**
Chosen Option : **1**

Q.15 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?

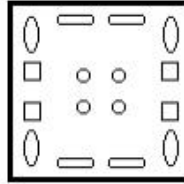


Ans

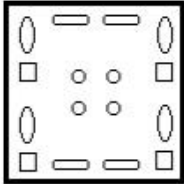
✗ 1.



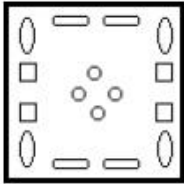
✓ 2.



✗ 3.



✗ 4.



Question ID : 81616113740

Status : Answered

Chosen Option : 2

Q.16 In a certain code language, 'PRINTER' is coded as '11181814759' and 'LOGIC' is coded as '151520924'. How will 'TERMITE' be coded in that language?

Ans ✗ 1. 75181392022

✓ 2. 75913182022

✗ 3. 7591418205

✗ 4. 2059131875

Question ID : 81616113825

Status : Not Answered

Chosen Option : --

Q.17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Cardinal
2. Cartography
3. Cardiac
4. Carrot
5. Callous
6. Careless

Ans  1. 5, 3, 1, 6, 4, 2

 2. 5, 3, 1, 6, 2, 4

 3. 5, 1, 3, 6, 4, 2

 4. 5, 3, 1, 4, 6, 2

Question ID : **81616114122**


Status : **Answered**


Chosen Option : 1


Q.18 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$$14 * 7 * 39 * 133 * 19 * 130$$

Ans  1. $\times, +, -, \div, =$

 2. $\div, +, -, \times, =$

 3. $\times, -, +, \div, =$

 4. $\div, -, +, \times, =$

Question ID : **81616113834**

Status : **Answered**

Chosen Option : 2

Q.19 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

$$485 : 25 :: ? : 21 :: 401 : 23$$

Ans  1. 246

 2. 346

 3. 325

 4. 225

Question ID : **81616113830**

Status : **Not Answered**

Chosen Option : --

Q.20 How many triangles are there in the given figure?



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

Question ID : 81616113837

Status : Answered

Chosen Option : 3

Q.21 Select the option that is related to the third word in the same way as the second word is related to the first word.

Coerce : Persuade :: Angry : ?

- Ans
- ☒ 1. Intimidate
 - ☒ 2. Damaging
 - ☒ 3. Dangerous
 - ☒ 4. Furious

Question ID : 81616114125

Status : Answered

Chosen Option : 4

Q.22 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:

No door is a window.

No rack is a door.

All cupboards are windows.

Conclusions:

I. Some cupboards are racks.

II. No cupboard is a door.

III. No rack is a window.

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

Question ID : 81616113828

Status : Answered

Chosen Option : 4

Q.23 In a certain code language, 'DARK' is written as 'CBQJ' and 'SOUND' is written as 'RPVMC'. How will 'TOXIC' be written in that language?

- Ans** ☒ 1. SPWJB
☐ 2. SNWHB
☐ 3. UPYJD
☐ 4. PUYJD

Question ID : **81616113824**
Status : **Answered**
Chosen Option : **1**

Q.24 'A # B' means 'A is the brother of B'.
'A @ B' means 'A is the daughter of B'.
'A & B' means 'A is the husband of B'.
'A % B' means 'A is the wife of B'.

If 'W # Q @ T & Y @ M % K', then how is K related to T?

- Ans** ☐ 1. Mother
☐ 2. Father
☐ 3. Mother-in-law
☒ 4. Father-in-law

Question ID : **81616113726**
Status : **Answered**
Chosen Option : **4**

Q.25 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

J P _ L D _ P _ M D J _ C _ D _ P C _ D

- Ans** ☐ 1. C, J, C, P, N, P, O
☐ 2. C, J, C, P, O, J, P
☒ 3. C, J, C, P, N, J, O
☐ 4. C, J, N, P, O, J, O

Question ID : **81616113725**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 Which of the following is NOT a traditional water storage structure?

- Ans** ☐ 1. Kund
☐ 2. Tanka
☒ 3. Haryali
☐ 4. Johad

Question ID : **81616113752**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following body parts behaves like a stretched rubber sheet?

- Ans** ☒ 1. Eardrum
☐ 2. Tongue
☐ 3. Nostril
☐ 4. Eye lens

Question ID : **81616113849**
Status : **Answered**
Chosen Option : 1

Q.3 Which of the following is a flightless bird?

- Ans** ☐ 1. Crane
☒ 2. Kiwi
☐ 3. Peacock
☐ 4. Hen

Question ID : **81616114151**
Status : **Answered**
Chosen Option : 2

Q.4 Who among the following issued Mahzarnama in 1579?

- Ans** ☐ 1. Jahangir
☐ 2. Shah Jahan
☐ 3. Humayun
☒ 4. Akbar

Question ID : **81616113855**
Status : **Answered**
Chosen Option : 4

Q.5 Which of the following is located in Gujarat?

- Ans** ☐ 1. Humayun Tomb
☐ 2. Alai Darwaza
☐ 3. Bibi Ka Maqbara
☒ 4. Rani-ki-Vav

Question ID : **81616113843**
Status : **Answered**
Chosen Option : 4

Q.6 The rupee symbol, which was introduced in India in 2010, is an amalgamation of the Devanagari 'Ra' and the _____ 'R' without the stem.

- Ans** ☐ 1. Brahmi
☐ 2. Cyrillic
☒ 3. Roman
☐ 4. Ol Chiki

Question ID : **81616113846**
Status : **Answered**
Chosen Option : 1

Q.7 Gautamiputra Satakarni was a _____ ruler.

- Ans** ☒ 1. Eastern Ganga
☒ 2. Mauryan
☒ 3. Parthian
☒ 4. Satavahana

Question ID : **81616113856**

Status : **Answered**

Chosen Option : **1**

Q.8 The initiative of jail tourism, a first of its kind, was launched in January 2021 in the state of _____.

- Ans** ☒ 1. Chhattisgarh
☒ 2. Maharashtra
☒ 3. Andhra Pradesh
☒ 4. Uttar Pradesh

Question ID : **81616114168**

Status : **Answered**

Chosen Option : **2**

Q.9 India's first seaplane service, that was launched in November 2020, operates between Kevadiya and _____.

- Ans** ☒ 1. Surat
☒ 2. Vadodara
☒ 3. Ahmedabad
☒ 4. Rajkot

Question ID : **81616114170**

Status : **Answered**

Chosen Option : **1**

Q.10 _____ is one of the most popular folk dances of Odisha.

- Ans** ☒ 1. Rauf
☒ 2. Giddha
☒ 3. Hojagiri
☒ 4. Dalkhai

Question ID : **81616113844**

Status : **Answered**

Chosen Option : **4**

Q.11 How many oxygen atoms are present in a molecule of potassium permanganate?

- Ans** ☒ 1. One
☒ 2. Three
☒ 3. Two
☒ 4. Four

Question ID : **81616113850**

Status : **Answered**

Chosen Option : **3**

Q.12 Which of the following waterfalls is located in Madhya Pradesh?

- Ans** ☒ 1. Khandadhar
☒ 2. Shivasamudram
☒ 3. Dudhsagar
☒ 4. Dhuandhar

Question ID : **81616113852**
Status : **Answered**
Chosen Option : **4**

Q.13 Who among the following hit the winning runs for India against Australia at the Brisbane Test of January 2021?

- Ans** ☒ 1. Shardul Thakur
☒ 2. Washington Sundar
☒ 3. Mohammad Siraj
☒ 4. Rishabh Pant

Question ID : **81616114166**
Status : **Answered**
Chosen Option : **4**

Q.14 Who among the following earned the sobriquet 'Bharat Kokila' from Mahatma Gandhi?

- Ans** ☒ 1. Sarojini Naidu
☒ 2. Annie Besant
☒ 3. Sucheta Kriplani
☒ 4. Toru Dutt

Question ID : **81616113759**
Status : **Answered**
Chosen Option : **1**

Q.15 Who is the author of the book 'Ethical Religion'?

- Ans** ☒ 1. Swami Vivekananda
☒ 2. Vinoba Bhave
☒ 3. Mahatma Gandhi
☒ 4. Bipan Chandra

Question ID : **81616114162**
Status : **Answered**
Chosen Option : **2**

Q.16 What are the two variables whose relationship is given by the environmental Kuznets curve?

- Ans** ☒ 1. Inequality and tax revenue
☒ 2. Inequality and per capita income
☒ 3. Environmental degradation and tax revenue
☒ 4. Environmental degradation and per capita income

Question ID : **81616113744**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The liver is affected; and skin and eyes turn yellow due to the deposit of bile pigments. Which of the following digestive disorders is described here?

- Ans**
- ☒ 1. Vomiting
 - ☒ 2. Jaundice
 - ☒ 3. Constipation
 - ☒ 4. Diarrhoea

Question ID : **81616113750**
Status : **Answered**
Chosen Option : **2**

Q.18 Through which amendment was the Tenth Schedule added to the Constitution of India?

- Ans**
- ☒ 1. 53rd
 - ☒ 2. 52nd
 - ☒ 3. 42nd
 - ☒ 4. 43rd

Question ID : **81616113761**
Status : **Answered**
Chosen Option : **2**

Q.19 The Battle of Khanua was fought between Babur and _____.

- Ans**
- ☒ 1. Rana Sanga
 - ☒ 2. Todar Mal
 - ☒ 3. Hemu
 - ☒ 4. Sher Shah Suri

Question ID : **81616113858**
Status : **Answered**
Chosen Option : **1**

Q.20 The name 'QSRAM' was in the news in November 2020. What is QSRAM?

- Ans**
- ☒ 1. Indigenously designed torpedoes
 - ☒ 2. Anti-tank weapon system
 - ☒ 3. Inter-continental ballistic missile system
 - ☒ 4. Short range surface-to-air missile system

Question ID : **81616113765**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Which of the following was NOT a part of Gondwanaland?

- Ans**
- ☒ 1. Australia
 - ☒ 2. South America
 - ☒ 3. India
 - ☒ 4. North America

Question ID : **81616114157**
Status : **Answered**
Chosen Option : **1**

Q.22 Who among the following appoints the Speaker 'Pro tem' of the Lok Sabha?

- Ans** ☒ 1. Chief Justice of Supreme Court
☒ 2. President
☒ 3. Chief Election Commissioner
☒ 4. Prime Minister

Question ID : **81616113861**
Status : **Answered**
Chosen Option : **2**

Q.23 The Indian Mutiny began from Meerut on 10 May 1857 and ended in:

- Ans** ☒ 1. Delhi on 18 September 1859
☒ 2. Jhansi on 15 August 1860
☒ 3. Gwalior on 20 June 1858
☒ 4. Kolkata on 13 May 1858

Question ID : **81616113756**
Status : **Not Answered**
Chosen Option : **--**

Q.24 The lowest temperature at which a substance catches fire is called its:

- Ans** ☒ 1. ignition temperature
☒ 2. normal temperature
☒ 3. boiling point
☒ 4. melting point

Question ID : **81616113847**
Status : **Answered**
Chosen Option : **1**

Q.25 With which sports do you associate the name Prasanta Dora, who passed away at the age of 44 in January 2021?

- Ans** ☒ 1. Cycling
☒ 2. Wrestling
☒ 3. Volleyball
☒ 4. Football

Question ID : **81616113864**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 To do a certain work, the ratio of efficiencies of X and Y is 5 : 7. Working together, X and Y can complete the same work in 70 days. X alone started the work and left after 42 days. Y alone will complete the remaining work in :

- Ans**
- ☒ 1. 80 days
 - ☒ 2. 90 days
 - ☒ 3. 96 days
 - ☒ 4. 72 days

Question ID : **81616113876**
Status : **Answered**
Chosen Option : **2**

Q.2 If $\sin \alpha + \sin \beta = \cos \alpha + \cos \beta = 1$, then $\sin \alpha + \cos \alpha = ?$

- Ans**
- ☒ 1. -1
 - ☒ 2. 1
 - ☒ 3. 0
 - ☒ 4. 2

Question ID : **81616114291**
Status : **Answered**
Chosen Option : **2**

Q.3 If the 9-digit number $89x64287y$ is divisible by 72, then what is the value of $(3x + 2y)$?

- Ans**
- ☒ 1. 28
 - ☒ 2. 31
 - ☒ 3. 30
 - ☒ 4. 25

Question ID : **81616113868**
Status : **Answered**
Chosen Option : **1**

Q.4 Lucky spends 85% of her income. If her expenditure increases by $x\%$, savings increase by 60% and income increases by 26%, then what is the value of x ?

- Ans**
- ☒ 1. 26
 - ☒ 2. 30
 - ☒ 3. 20
 - ☒ 4. 34

Question ID : **81616113872**
Status : **Answered**
Chosen Option : **3**

Q.5 A train running at 48 km/h crosses a man going with the speed of 12 km/h, in the same direction, in 18 seconds and passes a woman coming from the opposite direction in 12 seconds. The speed (in km/h) of the woman is :

- Ans**
- ☒ 1. 9
 - ☒ 2. 8
 - ☒ 3. 10
 - ☒ 4. 6

Question ID : 81616113877
Status : Answered
Chosen Option : 4

Q.6 The perimeter of a circular lawn is 1232 m . There is 7 m wide path around the lawn. The area (in m^2) of the path is :
(Take $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 8800
 - ☒ 2. 8756
 - ☒ 3. 8558
 - ☒ 4. 8778

Question ID : 81616113777
Status : Not Answered
Chosen Option : --

Q.7 A person borrowed a sum of ₹30800 at 10% p.a. for 3 years, interest compounded annually. At the end of two years, he paid a sum of ₹13268. At the end of 3rd year, he paid ₹ x to clear of the debt. What is the value of x ?

- Ans**
- ☒ 1. 26200
 - ☒ 2. 26620
 - ☒ 3. 26510
 - ☒ 4. 26400

Question ID : 81616113875
Status : Not Answered
Chosen Option : --

Q.8 A dealer bought some toys for ₹1800. He sold 40% of these at a loss of 15% and $33\frac{1}{3}\%$ of the remaining toys at 20% profit. At what percent profit should he sell the remaining toys to earn an overall profit of 10%?

- Ans**
- ☒ 1. 30%
 - ☒ 2. 20%
 - ☒ 3. 25%
 - ☒ 4. 24%

Question ID : 81616114176
Status : Answered
Chosen Option : 1

Q.9 Triangles ABC and DBC are right angled triangles with common hypotenuse BC. BD and AC intersect at P when produced. If PA = 8 cm, PC = 4 cm and PD = 3.2 cm, then the length of BD, in cm, is :

- Ans**
- ☒ 1. 5.6
 - ☒ 2. 7.2
 - ☒ 3. 6.4
 - ☒ 4. 6.8

Question ID : 81616113883

Status : Not Answered

Chosen Option : --

Q.10 If $x + y + z = 2$, $x^3 + y^3 + z^3 - 3xyz = 74$, then $(x^2 + y^2 + z^2)$ is equal to :

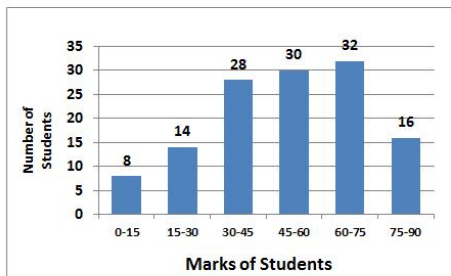
- Ans**
- ☒ 1. 24
 - ☒ 2. 29
 - ☒ 3. 26
 - ☒ 4. 22

Question ID : 81616113881

Status : Not Answered

Chosen Option : --

Q.11 The given histogram represents the marks obtained by 128 students. Read the graph and answer the question that follows.



What percent of students got marks less than 60?

- Ans**
- ☒ 1. 67.5%
 - ☒ 2. 72.5%
 - ☒ 3. 75%
 - ☒ 4. 62.5%

Question ID : 81616113081

Status : Answered

Chosen Option : 4

Q.12 When x is subtracted from each of the numbers 54, 49, 22 and 21, the numbers so obtained are in proportion. The ratio of $(8x - 25)$ to $(7x - 26)$ is:

- Ans**
- ☒ 1. 27 : 26
 - ☒ 2. 29 : 24
 - ☒ 3. 15 : 13
 - ☒ 4. 5 : 4

Question ID : 81616113874

Status : **Answered**

Chosen Option : 2

Q.13 The following bar graph shows the amount (in Lakh Rs.) invested by a Company in purchasing raw material over the years and the values (in Lakh Rs.) of finished goods sold by the Company over the years.



The ratio of total amount invested for purchasing raw material from 2013 to 2015 to the total sales of finished goods in 2014, 2016 and 2017 is:

- Ans**
- ☒ 1. 64 : 37
 - ☒ 2. 37 : 64
 - ☒ 3. 27 : 56
 - ☒ 4. 56 : 27

Question ID : 81616113083

Status : **Answered**

Chosen Option : 2

Q.14 The marked price of an article is ₹180. Renu sells it after 20% discount on its marked price and still gains 25%. The cost price (in ₹) of the article is:

- Ans**
- ☒ 1. 115.20
 - ☒ 2. 120.80
 - ☒ 3. 125.50
 - ☒ 4. 110.80

Question ID : 81616113871

Status : **Answered**

Chosen Option : 1

Q.15 If $(2x + y)^3 - (x - 2y)^3 = (x + 3y)[Ax^2 + By^2 + Cxy]$, then what is the value of $(A + 2B + C)$?

- Ans**
- ☐ 1. 13
 - ☐ 2. 7
 - ☒ 3. 10
 - ☐ 4. 14

Question ID : 81616114182

Status : Not Answered

Chosen Option : --

Q.16 The bisector of $\angle A$ in $\triangle ABC$ meets side BC at D . If $AB = 12$ cm, $AC = 15$ cm and $BC = 18$ cm, then the length of DC is:

- Ans**
- ☐ 1. 6 cm
 - ☐ 2. 9 cm
 - ☐ 3. 8 cm
 - ☒ 4. 10 cm

Question ID : 81616114187

Status : Answered

Chosen Option : 2

Q.17 There are some children in a camp and their average weight is 40 kg. If 5 children with average weight 36 kg join the camp or if 5 children with average weight 43.2 kg leave the camp, the average weight of children in both cases is equal. How many children are there in the camp, initially?

- Ans**
- ☒ 1. 45
 - ☐ 2. 40
 - ☐ 3. 50
 - ☐ 4. 35

Question ID : 81616113769

Status : Not Answered

Chosen Option : --

Q.18 Study the following table and answer the question:

Number of students enrolled for Vocational Courses (VC) in five institutes - A, B, C, D & E.

Year Institute	2013	2014	2015	2016	2017	2018
A	120	135	130	135	128	140
B	125	132	138	132	135	142
C	125	120	125	138	140	135
D	100	125	122	140	128	138
E	105	110	115	147	130	145

What is the sum of the average number of students enrolled for VC in institute B in 2014, 2015 and 2017 and the average number of students enrolled in institute E in 2013 and 2018?

- Ans**
- ☒ 1. 265
 - ☒ 2. 255
 - ☒ 3. 250
 - ☒ 4. 260

Question ID : 81616114092

Status : Answered

Chosen Option : 4

Q.19 Find the value of $\operatorname{cosec}(60^\circ + A) - \sec(30^\circ - A) + \frac{\operatorname{cosec} 49^\circ}{\sec 41^\circ}$.

- Ans**
- ☒ 1. -1
 - ☒ 2. 2
 - ☒ 3. 1
 - ☒ 4. 0

Question ID : 81616112979

Status : Answered

Chosen Option : 3

Q.20 If $9(a^2 + b^2) + c^2 + 20 = 12(a + 2b)$, then the value of $\sqrt{6a + 9b + 2c}$ is :

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

Question ID : 81616113880

Status : Answered

Chosen Option : 4

Q.21 $\triangle ABC$ is an equilateral triangle with side 18 cm . D is a point on BC such that $BD = \frac{1}{3}BC$. Then length (in cm) of AD is:

- Ans**
- ☒ 1. $7\sqrt{6}$
 - ☒ 2. $8\sqrt{3}$
 - ☒ 3. $6\sqrt{7}$
 - ☒ 4. $6\sqrt{3}$

Question ID : **81616113784**

Status : **Not Answered**

Chosen Option : --

Q.22 $ABCD$ is a cyclic quadrilateral in which $\angle A = x^\circ$, $\angle B = 5y^\circ$, $\angle C = 2x^\circ$ and $\angle D = y^\circ$. What is the value of $(3x - y)$?

- Ans**
- ☒ 1. 150
 - ☒ 2. 90
 - ☒ 3. 120
 - ☒ 4. 60

Question ID : **81616113781**

Status : **Answered**

Chosen Option : 1

Q.23 Study the following table and answer the question:

Number of students enrolled for Vocational Courses (VC) in five institutes - A, B, C, D & E.

Year Institute	2013	2014	2015	2016	2017	2018
A	120	135	130	135	128	140
B	125	132	138	132	135	142
C	125	120	125	138	140	135
D	100	125	122	140	128	138
E	105	110	115	147	130	145

The total number of students enrolled for VC in institutes A, B and D in 2015 is what percent more than the total number of students enrolled in institutes C and E in 2018? (correct to one decimal point)

- Ans**
- ☒ 1. 28.2
 - ☒ 2. 39.3
 - ☒ 3. 35.7
 - ☒ 4. 36.8

Question ID : **81616114094**

Status : **Answered**

Chosen Option : 2

Q.24 The value of $54 \div 16 \text{ of } 3 \times [12 \div 4 \text{ of } \{6 \times 3 \div (11 - 2)\}] \div (12 \div 8 \times 2)$ is:

Ans

- ☒ 1. $\frac{9}{8}$
☒ 2. $\frac{3}{8}$
☒ 3. $\frac{3}{4}$
☒ 4. $\frac{9}{16}$

Question ID : 81616114172

Status : Answered

Chosen Option : 4

Q.25 If $\frac{1}{1-\sin \theta} + \frac{1}{1+\sin \theta} = 4 \sec \theta$, $0^\circ < \theta < 90^\circ$, then the value of $\cot \theta + \operatorname{cosec} \theta$ is :

Ans

- ☒ 1. $\frac{5\sqrt{3}}{3}$
☒ 2. $3\sqrt{3}$
☒ 3. $\sqrt{3}$
☒ 4. $\frac{4\sqrt{3}}{3}$

Question ID : 81616113886

Status : Answered

Chosen Option : 3

Section : English Comprehension

Q.1 Select the option that expresses the given sentence in passive voice.

The armed forces put up an impressive parade on Republic Day.

Ans

- ☒ 1. An impressive parade was put up by the armed forces on Republic Day.
☒ 2. An impressive parade have been put up by the armed forces on Republic Day.
☒ 3. An impressive parade was being put up on Republic Day by the armed forces.
☒ 4. An impressive parade is putting up by the armed forces on Republic Day.

Question ID : 81616113895

Status : Answered

Chosen Option : 1

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

Sameer gave very less information to Muneer about the progress of the work.

- Ans ☒ 1. No substitution
- ☒ 2. gave very less informations
- ☒ 3. give very less information
- ☒ 4. gave very little information

Question ID : 81616113897

Status : Answered

Chosen Option : 4

Q.3 Select the option that can be used as a one-word substitute for the given group of words.

A family of young birds

- Ans ☒ 1. Offspring
- ☒ 2. Litter
- ☒ 3. Brood
- ☒ 4. Kids

Question ID : 81616113913

Status : Answered

Chosen Option : 3

Q.4 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

Many artisans were almost without any work during the pandemic.

- Ans ☒ 1. any without almost
- ☒ 2. almost any without
- ☒ 3. No substitution
- ☒ 4. without any almost

Question ID : 81616113797

Status : Answered

Chosen Option : 3

Q.5 Select the most appropriate synonym of the given word.

Shimmer

- Ans ☒ 1. Shiver
- ☒ 2. Shake
- ☒ 3. Quake
- ☒ 4. Shine

Question ID : 81616113806

Status : Not Answered

Chosen Option : --

Q.6 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. The mouse, however, reached his hole in safety.
B. A bull was bitten by a mouse, and, pained by the wound, tried to capture him.
C. The mouse, peeping out, crept up his flank and, again biting him, retreated to his hole.
D. The bull dug into the walls with his horns until, wearied, he crouched down and slept by the hole.

Ans ☒ 1. BCDA
☒ 2. ADBC
☒ 3. BADC
☒ 4. DACB

Question ID : 81616114208
Status : Answered
Chosen Option : 3

Q.7 Select the most appropriate meaning of the given idiom.

On edge

Ans ☒ 1. Playing a tiring game
☒ 2. Keeping things safely
☒ 3. Nervous and unable to relax
☒ 4. Doing exercises regularly

Question ID : 81616113912
Status : Answered
Chosen Option : 3

Q.8 Select the option that can be used as a one-word substitute for the given group of words.

An incongruous or chaotic mixture

Ans ☒ 1. Harmony
☒ 2. Discord
☒ 3. Melody
☒ 4. Cacophony

Question ID : 81616113914
Status : Answered
Chosen Option : 4

Q.9 Select the most appropriate synonym of the given word.

Uncanny

Ans ☒ 1. Mysterious
☒ 2. Unprotected
☒ 3. Exposed
☒ 4. Plain

Question ID : 81616113807
Status : Answered
Chosen Option : 3

Q.10 Select the most appropriate option to fill in the blank.

It is said that civilised man has _____ about twenty wild animals.

- Ans ☒ 1. staggered
☒ 2. tamed
☒ 3. amazed
☒ 4. stunned

Question ID : 81616113917

Status : Answered

Chosen Option : 2

Q.11 Select the most appropriate meaning of the given idiom.

A square deal

- Ans ☒ 1. An unfair agreement
☒ 2. A fair agreement
☒ 3. A nice decoration
☒ 4. A dishonest transaction

Question ID : 81616113911

Status : Answered

Chosen Option : 2

Q.12 Select the option that expresses the given sentence in indirect speech.

Kruti asked Gopal, "Have you heard the news about the inauguration of the new bridge?"

- Ans ☒ 1. Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.
☒ 2. Kruti asked to Gopal you have heard the news about the inauguration of the new bridge.
☒ 3. Kruti asked Gopal if you have hear the news about the inauguration of the new bridge.
☒ 4. Kruti asked Gopal if they have heard the news about the inauguration of the new bridge.

Question ID : 81616113795

Status : Answered

Chosen Option : 1

Q.13 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

It is misleading / to imagine that / computers can think / same like human beings.

- Ans ☒ 1. computers can think
☒ 2. It is misleading
☒ 3. to imagine that
☒ 4. same like human beings

Question ID : 81616113894

Status : Answered

Chosen Option : 4

Q.14 Select the **INCORRECTLY** spelt word.

- Ans ☒ 1. Incandesent
☒ 2. Impervious
☒ 3. Impeccable
☒ 4. Inconclusive

Question ID : 81616114219
Status : Answered
Chosen Option : 1

Q.15 Select the most appropriate option to fill in the blank.

The invention of fertilisers and insecticides has increased agricultural _____ which is required to feed the swelling population of the world.

- Ans ☒ 1. goods
☒ 2. cargo
☒ 3. output
☒ 4. product

Question ID : 81616113817
Status : Answered
Chosen Option : 3

Q.16 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. It is essential for the marketer to study the behaviour of the consumers in order to make better strategic marketing decisions.
B. The study of consumer behaviour is equally important for the non-profit organisations such as governmental agencies, hospitals, NGOs, charitable organisations.
C. Thus, by studying the consumer behaviour before and during purchase helps in production scheduling, designing, pricing, positioning, segmentation, advertising and other promotional activities.
D. If the marketer has complete knowledge about the consumer's likings or disliking, then he can predict the response of the potential customers towards his offerings.

- Ans ☒ 1. CDBA
☒ 2. BCAD
☒ 3. ADCB
☒ 4. ACBD

Question ID : 81616113906
Status : Marked For Review
Chosen Option : 3

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

- Ans ☒ 1. Reciept
☒ 2. Deceive
☒ 3. Perceive
☒ 4. Review

Question ID : 81616114218
Status : Answered
Chosen Option : 1

Q.18 Select the most appropriate **ANTONYM** of the given word.

Impoverished

- Ans** ☒ 1. deprived
☒ 2. Unlucky
☒ 3. Rich
☒ 4. Needy

Question ID : **81616114212**

Status : **Answered**

Chosen Option : **3**

Q.19 The following sentence has been divided into parts. One of them may contain an error.
Select the part that contains the error from the given options. If there is no error, select
'No error'.

The balloon flew up / as soon as / the man cutting the string.

- Ans** ☒ 1. No error
☒ 2. as soon as
☒ 3. the man cutting the string
☒ 4. The balloon flew up

Question ID : **81616113893**

Status : **Answered**

Chosen Option : **3**

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

Ramify

- Ans** ☒ 1. Isolate
☒ 2. Insulate
☒ 3. Unite
☒ 4. Divide

Question ID : **81616113910**

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.

Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank 1.

- Ans**  1. height
  2. summit
  3. peak
  4. growth

Question ID : **81616114203**

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.

Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank 2.

- Ans**  1. call
  2. example
  3. term
  4. idiom

Question ID : **81616114204**

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.

Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank 3.

- Ans** ☒ 1. overhead
☒ 2. above
☒ 3. along
☒ 4. beyond

Question ID : **81616114205**

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.

Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank 4.

- Ans** ☒ 1. parade
☒ 2. exhibit
☒ 3. flourish
☒ 4. boast

Question ID : **81616114206**

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.

Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank 5.

Ans

☒ 1. spread

☒ 2. intensification

☒ 3. growth

☒ 4. proliferation

Question ID : **81616114207**

Status : **Answered**

Chosen Option : **1**