Combined Graduate Level Examination 2020 Tier-I

| Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Trinity 1Shri Jairam Education Society Kokta Bypass Road.
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 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. 12 : 288

✔ 2. 19 : 622

✖ 3. 14 : 392

✖ 4. 11 : 242

Question ID : **81616113831**
Status : **Answered**
Chosen Option : **2**

Q.2 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M

F E q 3 2 6 7 G

N

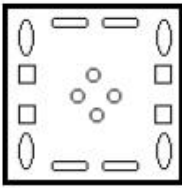Ans ✖ 1.

✔ 2.

✖ 3.

✖ 4.
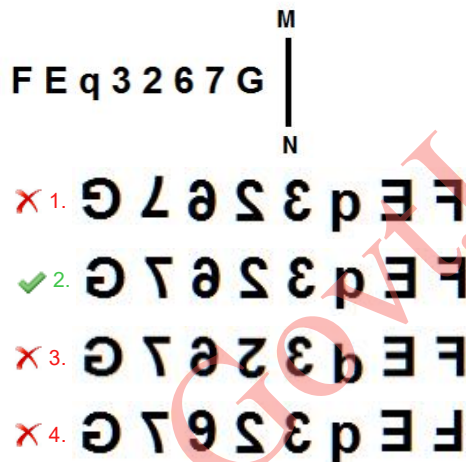
Question ID : **81616113739**
Status : **Answered**
Chosen Option : **2**

Q.3 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?
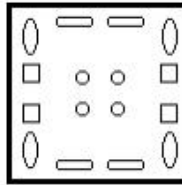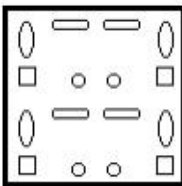
Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
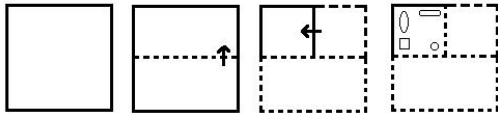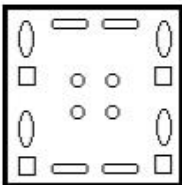
Question ID : **81616113740**
Status : **Answered**
Chosen Option : **2**

Q.4 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. (56, 26, 182)

✗ 3. (16, 26, 186)

✗ 4. (32, 28, 250)

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

Q.5 If 19 July 2000 was a Wednesday, then what would be the day of the week on 15 June 2012?

Ans ✗ 1. Wednesday

✔ 2. Friday

✗ 3. Thursday

✗ 4. Saturday

Question ID : **81616113734**
Status : **Not Answered**
Chosen Option : **--**

Q.6 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?

```
          ┌───┐
          │ 3 │
      ┌───┼───┼───┬───┐
      │ 1 │ 6 │ 2 │ 5 │
      └───┼───┼───┴───┘
          │ 4 │
          └───┘
```

Ans ✗ 1. 1 and 6

✗ 2. 4 and 5

✓ 3. 3 and 4

✗ 4. 6 and 3

Question ID : **81616113838**
Status : **Answered**
Chosen Option : **3**

Q.7 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, 4, 6, 2

✗ 2. 5, 1, 3, 6, 4, 2

✓ 3. 5, 3, 1, 6, 4, 2

✗ 4. 5, 3, 1, 6, 2, 4
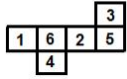
Question ID : **81616114122**
Status : **Answered**
Chosen Option : **3**

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

Pedology : Soil

Ans ✗ 1. Hepatology : Blood

✓ 2. Pomology : Fruits

✗ 3. Seismology : Pressure

✗ 4. Cytology : Metabolism

Question ID : **81616113722**
Status : **Answered**
Chosen Option : **1**

Q.9 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. Excited

✗ 2. Nostalgic

✗ 3. Energised

✓ 4. Timid

Question ID : **81616113821**
Status : **Answered**
Chosen Option : **4**

Q.10 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. WXOY

✗ 3. WYOX

✗ 4. WYOY

Question ID : **81616113717**
Status : **Answered**
Chosen Option : **2**

Q.11 How many triangles are there in the given figure?

Ans ✗ 1. 10

✗ 2. 12

✗ 3. 9

✓ 4. 11

Question ID : **81616113837**
Status : **Answered**
Chosen Option : **1**

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:
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 II follows

✗ 2. Only conclusions I and III follow

✗ 3. Only conclusion I follows

✗ 4. None of the conclusions follow

Question ID : **81616113828**
Status : **Answered**
Chosen Option : **1**

Q.13 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. 325

✗ 3. 346

✗ 4. 225

Question ID : **81616113830**
Status : **Not Answered**
Chosen Option : **--**

Q.14 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. 7591418205

✗ 2. 75181392022

✓ 3. 75913182022

✗ 4. 2059131875

Question ID : **81616113825**
Status : **Answered**
Chosen Option : **3**

Q.15 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. Boys, Artists, Brothers

✗ 4. Bats, Humans, Mammals

Question ID : **81616113842**
Status : **Answered**
Chosen Option : **2**

Q.16 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. ÷, −, +, ×, =

✗ 2. ×, −, +, ÷, =

✓ 3. ×, +, −, ÷, =

✗ 4. ÷, +, −, ×, =

Question ID : **81616113834**
Status : **Answered**
Chosen Option : **3**

Q.17 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. 125

✗ 2. 137

✓ 3. 130

✗ 4. 121

Question ID : 81616114132

Status : **Answered**

Chosen Option : **3**

Q.18 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, N, P, O, J, O

✗ 2. C, J, C, P, O, J, P

✗ 3. C, J, C, P, N, P, O

✓ 4. C, J, C, P, N, J, O

Question ID : 81616113725

Status : **Answered**

Chosen Option : **4**

Q.19 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 : **2**

Q.20 '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. Father

✓ 2. Father-in-law

✗ 3. Mother-in-law

✗ 4. Mother

Question ID : 81616113726

Status : **Answered**

Chosen Option : **2**

Q.21 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. (36, 100, 47)

  ✗ 2. (28, 25, 34)

  ✓ 3. (46, 49, 53)

  ✗ 4. (56, 80, 64)

Question ID : 81616113832
Status : **Answered**
Chosen Option : **3**

Q.22 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. LOUC

  ✗ 2. TXDL

  ✗ 3. BFLT

  ✗ 4. LPVD

Question ID : 81616114123
Status : **Answered**
Chosen Option : **1**

Q.23 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. Furious

 ✗ 2. Damaging

  ✗ 3. Intimidate

  ✗ 4. Dangerous

Question ID : 81616114125
Status : **Answered**
Chosen Option : **1**

Q.24 In a certain code language, 'DARK' is written as 'CBQJ' and 'SOUND' is written as 'RPVMC'. How will 'TOXIC' be written in that language?

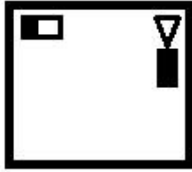Ans ✓ 1. SPWJB

  ✗ 2. UPYJD

  ✗ 3. SNWHB

  ✗ 4. PUYJD

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

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

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
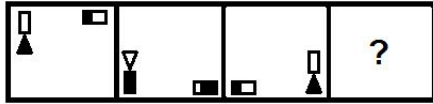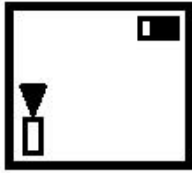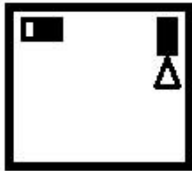
Question ID : **81616114139**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 Which of the following is a flightless bird?

Ans ✗ 1. Hen

✗ 2. Peacock

✓ 3. Kiwi

✗ 4. Crane

Question ID : **81616114151**
Status : **Answered**
Chosen Option : **1**

Q.2 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. Constipation

✗ 2. Vomiting

✓ 3. Jaundice

✗ 4. Diarrhoea

Question ID : **81616113750**
Status : **Answered**
Chosen Option : **3**

Q.3 The lowest temperature at which a substance catches fire is called its:

Ans ✗ 1. melting point

✗ 2. boiling point

✗ 3. normal temperature

✓ 4. ignition temperature

Question ID : **81616113847**
Status : **Marked For Review**
Chosen Option : **2**

Q.4 Through which amendment was the Tenth Schedule added to the Constitution of India?

Ans ✓ 1. 52nd

✗ 2. 42nd

✗ 3. 43rd

✗ 4. 53rd

Question ID : **81616113761**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Who among the following issued Mahzarnama in 1579?

Ans ✗ 1. Shah Jahan

✓ 2. Akbar

✗ 3. Humayun

✗ 4. Jahangir

Question ID : **81616113855**
Status : **Answered**
Chosen Option : **3**

Q.6 Which of the following waterfalls is located in Madhya Pradesh?

Ans ✗ 1. Shivasamudram

✓ 2. Dhuandhar

✗ 3. Dudhsagar

✗ 4. Khandadhar

Question ID : **81616113852**
Status : **Answered**
Chosen Option : **2**

Q.7 Who among the following hit the winning runs for India against Australia at the Brisbane Test of January 2021?

Ans ✗ 1. Washington Sundar

✗ 2. Shardul Thakur

✓ 3. Rishabh Pant

✗ 4. Mohammad Siraj

Question ID : **81616114166**
Status : **Answered**
Chosen Option : **3**

Q.8 The Battle of Khanua was fought between Babur and _____.

Ans ✔ 1. Rana Sanga

✘ 2. Todar Mal

✘ 3. Sher Shah Suri

✘ 4. Hemu

Question ID : **81616113858**
Status : **Answered**
Chosen Option : **4**

Q.9 How many oxygen atoms are present in a molecule of potassium permanganate?

Ans ✘ 1. One

✔ 2. Four

✘ 3. Three

✘ 4. Two

Question ID : **81616113850**
Status : **Answered**
Chosen Option : **2**

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

Ans ✘ 1. Hojagiri

✘ 2. Giddha

✘ 3. Rauf

✔ 4. Dalkhai

Question ID : **81616113844**
Status : **Answered**
Chosen Option : **1**

Q.11 Which of the following is located in Gujarat?

Ans ✘ 1. Alai Darwaza

✔ 2. Rani-ki-Vav

✘ 3. Humayun Tomb

✘ 4. Bibi Ka Maqbara

Question ID : **81616113843**
Status : **Answered**
Chosen Option : **2**

Q.12 India's first seaplane service, that was launched in November 2020, operates between Kevadiya and _____.

Ans ✘ 1. Surat

✘ 2. Vadodara

✘ 3. Rajkot

✔ 4. Ahmedabad

Question ID : **81616114170**
Status : **Answered**
Chosen Option : **4**

Q.13 With which sports do you associate the name Prasanta Dora, who passed away at the age of 44 in January 2021?

Ans ✗ 1. Wrestling

✓ 2. Football

✗ 3. Volleyball

✗ 4. Cycling

Question ID : **81616113864**

Status : **Not Answered**

Chosen Option : **--**

Q.14 The name 'QSRAM' was in the news in November 2020. What is QSRAM?

Ans ✗ 1. Anti-tank weapon system

✗ 2. Indigenously designed torpedoes

✓ 3. Short range surface-to-air missile system

✗ 4. Inter-continental ballistic missile system

Question ID : **81616113765**

Status : **Answered**

Chosen Option : **3**

Q.15 Which of the following was NOT a part of Gondwanaland?

Ans ✗ 1. Australia

✗ 2. India

✓ 3. North America

✗ 4. South America

Question ID : **81616114157**

Status : **Answered**

Chosen Option : **3**

Q.16 The Indian Mutiny began from Meerut on 10 May 1857 and ended in:

Ans ✓ 1. Gwalior on 20 June 1858

✗ 2. Jhansi on 15 August 1860

✗ 3. Delhi on 18 September 1859

✗ 4. Kolkata on 13 May 1858

Question ID : **81616113756**

Status : **Not Answered**

Chosen Option : **--**

Q.17 Who is the author of the book 'Ethical Religion'?

Ans ✗ 1. Bipan Chandra

✗ 2. Swami Vivekananda

✗ 3. Vinoba Bhave

✓ 4. Mahatma Gandhi

Question ID : **81616114162**

Status : **Not Answered**

Chosen Option : **--**

Q.18 Which of the following body parts behaves like a stretched rubber sheet?

Ans ✗ 1. Tongue

✗ 2. Nostril

✗ 3. Eye lens

✓ 4. Eardrum

Question ID : **81616113849**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.19 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. Roman

✗ 3. Ol Chiki

✗ 4. Cyrillic

Question ID : **81616113846**	
Status : **Answered**	
Chosen Option : **2**	

Q.20 The initiative of jail tourism, a first of its kind, was launched in January 2021 in the state of _____.

Ans ✓ 1. Maharashtra

✗ 2. Chhattisgarh

✗ 3. Uttar Pradesh

✗ 4. Andhra Pradesh

Question ID : **81616114168**	
Status : **Answered**	
Chosen Option : **1**	

Q.21 Gautamiputra Satakarni was a _____ ruler.

Ans ✗ 1. Mauryan

✗ 2. Eastern Ganga

✓ 3. Satavahana

✗ 4. Parthian

Question ID : **81616113856**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.22 Which of the following is NOT a traditional water storage structure?

Ans ✗ 1. Johad

✓ 2. Haryali

✗ 3. Kund

✗ 4. Tanka

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

Q.23 Who among the following appoints the Speaker 'Pro tem' of the Lok Sabha?

Ans   ✔ 1. President

   ✘ 2. Chief Election Commissioner

   ✘ 3. Chief Justice of Supreme Court

   ✘ 4. Prime Minister

> Question ID : **81616113861**
> Status : **Answered**
> Chosen Option : **1**

Q.24 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.25 Who among the following earned the sobriquet 'Bharat Kokila' from Mahatma Gandhi?

Ans   ✘ 1. Annie Besant

   ✘ 2. Sucheta Kriplani

   ✔ 3. Sarojini Naidu

   ✘ 4. Toru Dutt

> Question ID : **81616113759**
> Status : **Not Answered**
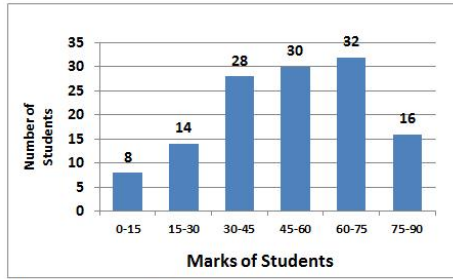> Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 $\triangle ABC$ 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. $6\sqrt{7}$

   ✘ 2. $8\sqrt{3}$

   ✘ 3. $7\sqrt{6}$

   ✘ 4. $6\sqrt{3}$

> Question ID : **81616113784**
> Status : **Not Answered**
> Chosen Option : **--**

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

Ans ✔ 1. 28

✗ 2. 30

✗ 3. 25

✗ 4. 31

Question ID : **81616113868**
Status : **Answered**
Chosen Option : **3**

Q.4 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. 50

✗ 3. 40

✗ 4. 35

Question ID : **81616113769**
Status : **Not Answered**
Chosen Option : **--**

Q.5 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. 34

✗ 2. 30

✔ 3. 20

✗ 4. 26

Question ID : **81616113872**
Status : **Not Answered**
Chosen Option : **--**

Q.6 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. 26400

✘ 2. 26510

✘ 3. 26200

✘ 4. 26620

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

Q.7 If $9(a^2 + b^2) + c^2 + 20 = 12(a + 2b)$, then the value of $\sqrt{6a + 9b + 2c}$ is :

Ans ✔ 1. 4

✘ 2. 3

✘ 3. 6

✘ 4. 2

Question ID : **81616113880**
Status : **Not Answered**
Chosen Option : **--**

Q.8 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. 120.80

✘ 2. 110.80

✔ 3. 115.20

✘ 4. 125.50

Question ID : **81616113871**
Status : **Answered**
Chosen Option : **3**

Q.9 If $\frac{1}{1-\sin\theta} + \frac{1}{1+\sin\theta} = 4\sec\theta$, $0° < \theta < 90°$, then the value of $\cot\theta + \csc\theta$ is :

Ans ✘ 1. $\frac{4\sqrt{3}}{3}$

✔ 2. $\sqrt{3}$

✘ 3. $\frac{5\sqrt{3}}{3}$

✘ 4. $3\sqrt{3}$

Question ID : **81616113886**
Status : **Answered**
Chosen Option : **2**

Q.10 The bisector of ∠A in △ 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. 9 cm

✗ 2. 6 cm

✗ 3. 8 cm

✔ 4. 10 cm

Question ID : 81616114187
Status : **Answered**
Chosen Option : **4**

Q.11 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. 8778

✗ 2. 8558

✗ 3. 8800

✗ 4. 8756

Question ID : 81616113777
Status : **Answered**
Chosen Option : **3**

Q.12 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. 6.8

✗ 3. 7.2

✗ 4. 6.4

Question ID : 81616113883
Status : **Not Answered**
Chosen Option : **--**

Q.13 Find the value of $\text{cosec}(60° + A) - \sec(30° - A) + \frac{\text{cosec } 49°}{\sec 41°}$.

Ans ✔ 1. 1

✗ 2. 0

✗ 3. -1

✗ 4. 2

Question ID : 81616112979
Status : **Answered**
Chosen Option : **1**

Q.14 The value of $54 \div 16 \ of \ 3 \times [12 \div 4 \ of \ \{6 \times 3 \div (11 - 2)\}] \div (12 \div 8 \times 2)$ is:

Ans ✗ 1. $\dfrac{3}{4}$

✗ 2. $\dfrac{9}{8}$

✗ 3. $\dfrac{3}{8}$

✔ 4. $\dfrac{9}{16}$

Question ID : **81616114172**
Status : **Answered**
Chosen Option : **4**

Q.15 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. 250

✗ 2. 265

✔ 3. 260

✗ 4. 255

Question ID : **81616114092**
Status : **Answered**
Chosen Option : **3**

Q.16 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. 36.8

✗ 3. 35.7

✔ 4. 39.3

Question ID : **81616114094**
Status : **Answered**
Chosen Option : **4**

Q.17 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. 6

✗ 2. 8

✗ 3. 9

✗ 4. 10

Question ID : **81616113877**
Status : **Answered**
Chosen Option : **1**

Q.18 $ABCD$ is a cyclic quadrilateral in which $\angle A = x°, \angle B = 5y°, \angle C = 2x°$ and $\angle D = y°$. What is the value of $(3x - y)$?

Ans ✗ 1. 120

✗ 2. 90

✓ 3. 150

✗ 4. 60

Question ID : **81616113781**
Status : **Answered**
Chosen Option : **3**

Q.19 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. 90 days

✗ 2. 72 days

✗ 3. 96 days

✗ 4. 80 days

Question ID : **81616113876**
Status : **Answered**
Chosen Option : **1**

Q.20 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. 26

✗ 3. 29

✗ 4. 22

Question ID : **81616113881**
Status : **Answered**
Chosen Option : **2**

Q.21 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. 20%

✗ 2. 25%

✓ 3. 30%

✗ 4. 24%

> Question ID : **81616114176**
> Status : **Not Answered**
> Chosen Option : **--**

Q.22 If $\sin\alpha + \sin\beta = \cos\alpha + \cos\beta = 1$, then $\sin\alpha + \cos\alpha = $?

Ans ✗ 1. -1

✗ 2. 0

✓ 3. 1

✗ 4. 2

> Question ID : **81616114291**
> Status : **Not Answered**
> Chosen Option : **--**

Q.23 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. 14

✗ 3. 7

✓ 4. 10

> Question ID : **81616114182**
> Status : **Not Answered**
> Chosen Option : **--**

Q.24 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.
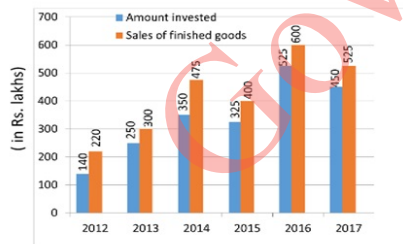
The ratio of total amount invested for purchasing raw material from 2013 to 2015 to the total sales of finished goods in 2014, 2016 and 2017 is :

Ans ✗ 1. 27 : 56

✗ 2. 56 : 27

✗ 3. 64 : 37

✓ 4. 37 : 64

> Question ID : **81616113083**
> Status : **Not Answered**
> Chosen Option : **--**

Q.25 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. $5 : 4$

✗ 2. $27 : 26$

✓ 3. $29 : 24$

✗ 4. $15 : 13$

Question ID : 81616113874
Status : **Not Answered**
Chosen Option : --

Section : **English Comprehension**

Q.1 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. BADC

✗ 3. ADBC

✗ 4. DACB

Question ID : 81616114208
Status : **Answered**
Chosen Option : **2**

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 g<u>ave very less information</u> to Muneer about the progress of the work.

Ans ✗ 1. gave very less informations

✗ 2. No substitution

✗ 3. give very less information

✓ 4. gave very little information

Question ID : 81616113897
Status : **Answered**
Chosen Option : **4**

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

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

Ans ✓ 1. tamed

✗ 2. stunned

✗ 3. staggered

✗ 4. amazed

Question ID : 81616113917
Status : **Not Answered**
Chosen Option : --

Q.4 Select the INCORRECTLY spelt word.

Ans ✗ 1. Deceive

✗ 2. Review

✔ 3. Reciept

✗ 4. Perceive

Question ID : **81616114218**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate meaning of the given idiom.

On edge

Ans ✗ 1. Keeping things safely

✗ 2. Doing exercises regularly

✗ 3. Playing a tiring game

✔ 4. Nervous and unable to relax

Question ID : **81616113912**
Status : **Answered**
Chosen Option : **4**

Q.6 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. Cacophony

✗ 3. Discord

✗ 4. Melody

Question ID : **81616113914**
Status : **Answered**
Chosen Option : **2**

Q.7 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. without any almost

✔ 3. No substitution

✗ 4. almost any without

Question ID : **81616113797**
Status : **Answered**
Chosen Option : **3**

Q.8 **Select the most appropriate ANTONYM of the given word.**

Ramify

Ans ✗ 1. Divide

✗ 2. Insulate

✓ 3. Unite

✗ 4. Isolate

Question ID : **81616113910**
Status : **Answered**
Chosen Option : **1**

Q.9 **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 : **Answered**
Chosen Option : **2**

Q.10 **Select the most appropriate synonym of the given word.**

Shimmer

Ans ✓ 1. Shine

✗ 2. Shiver

✗ 3. Quake

✗ 4. Shake

Question ID : **81616113806**
Status : **Answered**
Chosen Option : **1**

Q.11 **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. Kids

✗ 2. Litter

✗ 3. Offspring

✓ 4. Brood

Question ID : **81616113913**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the most appropriate ANTONYM of the given word.**

Impoverished

Ans ✗ 1. Unlucky

✔ 2. Rich

✗ 3. deprived

✗ 4. Needy

Question ID : **81616114212**
Status : **Answered**
Chosen Option : **2**

Q.13 **Select the INCORRECTLY spelt word.**

Ans ✗ 1. Impeccable

✔ 2. Incandesent

✗ 3. Impervious

✗ 4. Inconclusive

Question ID : **81616114219**
Status : **Answered**
Chosen Option : **2**

Q.14 **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.15 **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 have been put up by the armed forces on Republic Day.

✗ 2. An impressive parade is putting 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 was put up by the armed forces on Republic Day.

Question ID : **81616113895**
Status : **Answered**
Chosen Option : **4**

Q.16 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 you have hear 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 they have heard the news about the inauguration of the new bridge.

✓ 4. Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.

Question ID : **81616113795**
Status : **Answered**
Chosen Option : **4**

Q.17 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. same like human beings

✗ 2. computers can think

✗ 3. to imagine that

✗ 4. It is misleading

Question ID : **81616113894**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Select the most appropriate meaning of the given idiom.

A square deal

Ans ✗ 1. A nice decoration

✗ 2. A dishonest transaction

✓ 3. A fair agreement

✗ 4. An unfair agreement

Question ID : **81616113911**
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 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. cargo

✘ 2. goods

✔ 3. output

✘ 4. product

Question ID : 81616113817
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 : 21

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

Ans ✘ 1. growth

✔ 2. height

✘ 3. summit

✘ 4. peak

Question ID : 81616114203
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 : 22

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

Ans ✘ 1. example

✔ 2. term

✘ 3. idiom

✘ 4. call

Question ID : 81616114204
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 : 23

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

Ans   ✗ 1. above

  ✗ 2. beyond

  ✔ 3. along

  ✗ 4. overhead

> Question ID : **81616114205**
> 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 : 24

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

Ans   ✗ 1. flourish

  ✔ 2. exhibit

  ✗ 3. boast

  ✗ 4. parade

> Question ID : **81616114206**
> 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 : 25

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

Ans   ✔ 1. intensification

  ✗ 2. proliferation

  ✗ 3. spread

  ✗ 4. growth

> Question ID : **81616114207**
> Status : **Not Answered**
> Chosen Option : **--**