Combined Graduate Level Examination 2020 Tier-I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 1 GT Karnal Road
Exam Date	16/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section : **General Intelligence and Reasoning**

Q.1 In a certain code language, 'ALPINE' is coded as '171' and 'SPRING' is coded as '83'.
How will 'CAPITAL' be coded in that language?

Ans ✔ 1. 186

✘ 2. 93

✘ 3. 62

✘ 4. 124

Question ID : **81616112209**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.
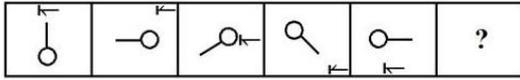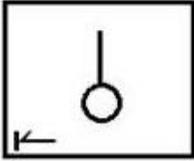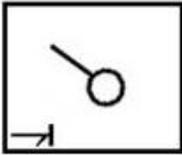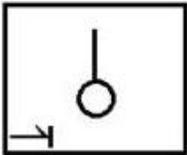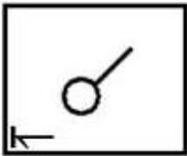
Question ID : 81616113129
Status : **Answered**
Chosen Option : **1**

Q.3 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

15 : 135 :: 16 : ? :: 18 : 189

Ans ✗ 1. 131

✗ 2. 141

✔ 3. 152

✗ 4. 121

Question ID : 81616112921
Status : **Marked For Review**
Chosen Option : **3**

Q.4 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. 289 : 70

✓ 2. 324 : 64

✗ 3. 169 : 55

✗ 4. 256 : 61

Question ID : **81616112215**

Status : **Not Answered**

Chosen Option : **--**

Q.5 The present age of a father is three times that of his elder son. Four years hence, the age of the father will be four times that of his younger son. If the difference between the present ages of the elder and younger child is 6 years, what is the present age of the father?

Ans ✗ 1. 38 years

✗ 2. 42 years

✗ 3. 32 years

✓ 4. 36 years

Question ID : **81616112522**

Status : **Answered**

Chosen Option : **4**

Q.6 Two different positions of the same dice are shown, the six faces of which are marked as 'AT', 'IN', 'SO', 'WE', 'GO' and 'TO'. Select the word that will be on the face opposite to the face showing the word 'TO'.
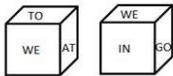
Ans ✗ 1. AT

✓ 2. GO

✗ 3. IN

✗ 4. SO

Question ID : **81616112222**

Status : **Answered**

Chosen Option : **2**

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. Umbilical
2. Urgent
3. Unaltered
4. Umbrella
5. Unanimous

Ans ✗ 1. 1, 4, 2, 3, 5

✗ 2. 4, 1, 3, 5, 2

✗ 3. 4, 1, 5, 3, 2

✓ 4. 1, 4, 3, 5, 2

Question ID : **81616113112**

Status : **Answered**

Chosen Option : **4**

Q.8 Introducing Rajat to a guest, Ajay said, "He is the only son of my father's daughter-in law". How is Ajay related to Rajat?

Ans ✗ 1. Maternal grandfather

✗ 2. Paternal grandfather

✗ 3. Brother

✓ 4. Either father or uncle

Question ID : **81616112514**

Status : **Answered**

Chosen Option : **4**

Q.9 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
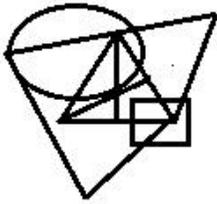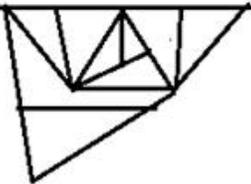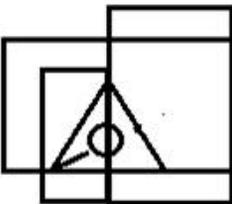
Question ID : **81616112526**
Status : **Answered**
Chosen Option : **1**

Q.10 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. FJQL

✘ 2. IDWG

✘ 3. EMNK

✘ 4. BTGN

Question ID : **81616113113**
Status : **Answered**
Chosen Option : **1**

Q.11 In a certain code language, 'MORBID' is written as 'THGMID'. How will 'OBTAIN' be written in that language?

Ans   ✗ 1. JGOFDS

      ✗ 2. JOFGSD

      ✔ 3. GJFOSD

      ✗ 4. GFOJDS

Question ID : **81616112915**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Select the correct sequence of mathematical signs that can sequentially replace the * signs and balance the given equation.

6 * 10 * 55 * 162 * 9 = 23

Ans   ✗ 1. ÷, +, ×, −

      ✗ 2. +, −, ÷, ×

      ✗ 3. ×, ÷, −, +

      ✔ 4. ×, −, +, ÷

Question ID : **81616112218**

Status : **Answered**

Chosen Option : **4**

Q.13 Select the number from among the given options that can replace the question mark (?) in the following series.

5, 13, 22, 34, 51, 75, 108, 152, ?

Ans   ✗ 1. 290

      ✗ 2. 203

      ✔ 3. 209

      ✗ 4. 230

Question ID : **81616113122**

Status : **Answered**

Chosen Option : **3**

Q.14 Select the letter from among the given options that can replace the question mark (?) in the following series.

B, E, G, J, L, ?

Ans   ✗ 1. Q

      ✗ 2. P

      ✗ 3. N

      ✔ 4. O

Question ID : **81616112513**

Status : **Answered**

Chosen Option : **4**

Q.15 Select the Venn diagram that best illustrates the relationship among the following classes.

Whisk, Utensil, Sickle

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
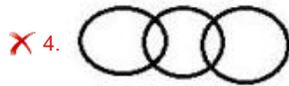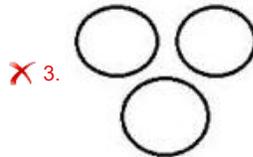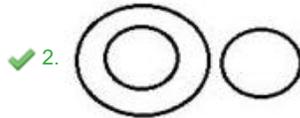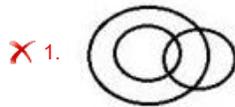
Question ID : **81616112933**

Status : **Answered**

Chosen Option : **2**

Q.16 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

GCB, JHE, MMH, PRK, ?

Ans ✓ 1. SWN

✗ 2. TXO

✗ 3. RVM

✗ 4. SXM

Question ID : **81616112505**

Status : **Answered**

Chosen Option : **1**

Q.17 Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.
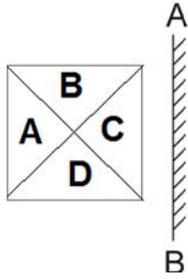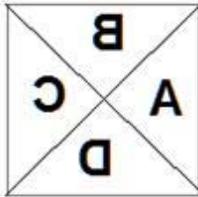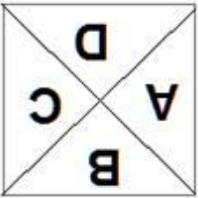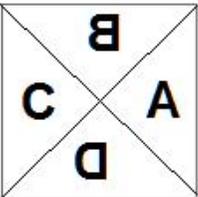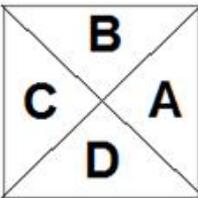
Question ID : 81616112527
Status : **Answered**
Chosen Option : **1**

Q.18 Select the option that is related to the third word in the same way as the second word is related to the first word.

Chicken : Flock :: Bear : ?

Ans ✔ 1. Sleuth

✗ 2. Clutter

✗ 3. Drove

✗ 4. Ambush

Question ID : 81616113115
Status : **Answered**
Chosen Option : **2**

Q.19 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. Prowl

✘ 2. Yowl

✘ 3. Howl

✘ 4. Growl

Q.20 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 follows from the statements.

Statements:
All computers are laptops.
All hard disks are pen drives.
No pen drive is a keyboard.
No computer is a hard disk.

Conclusions:
I. Some pen drives are not laptops.
II. No keyboard is a computer.
III. No hard disk is a laptop.
IV. All pen drives are not keyboards.

Ans ✘ 1. Only conclusion III follows

✔ 2. Only conclusion IV follows

✘ 3. Only conclusion I follows

✘ 4. Only conclusion II follows

Q.21 Find the number of squares in the given figure. (Rectangles NOT to be included)

Ans ✘ 1. 16

✔ 2. 7

✘ 3. 9

✘ 4. 5
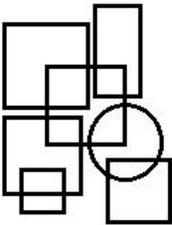
Q.22 Select the option in which the words share the same relationship as that shared by the given pair of words.

Raj Ghat : Mahatma Gandhi

Ans ✗ 1. Shanti Vana : Rajiv Gandhi

✔ 2. Vijay Ghat : Lal Bahadur Shastri

✗ 3. Shakti Sthal : Sanjay Gandhi

✗ 4. Veer Bhoomi : Indira Gandhi

Question ID : **81616112510**

Status : **Answered**

Chosen Option : **2**

Q.23 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.
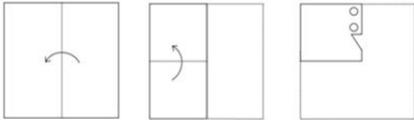
Question ID : **81616112528**

Status : **Answered**

Chosen Option : **3**

Q.24 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

22 32 7
18 24 5
32 40 ?

Ans ✗ 1. 10

✗ 2. 4

✓ 3. 8

✗ 4. 12

Question ID : **81616112923**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.25 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

6 11 14
8 3 ?
62 47 89

Ans ✓ 1. 5

✗ 2. 6

✗ 3. 15

✗ 4. 4

Question ID : **81616112217**	
Status : **Answered**	
Chosen Option : **1**	

Section : **General Awareness**

Q.1 Who among the following is the author of the book 'Interpreter of Maladies'?

Ans ✗ 1. Anita Nair

✗ 2. Sudha Murty

✗ 3. Arundhati Roy

✓ 4. Jhumpa Lahiri

Question ID : **81616112547**	
Status : **Answered**	
Chosen Option : **1**	

Q.2 In February 2021, the Defence Ministry of India awarded a contract to manufacture 83 Light Combat Aircraft (LCA) Tejas fighters to _____.

Ans ✗ 1. Defence Research and Development Organisation

✗ 2. Bharat Dynamics Limited

✓ 3. Hindustan Aeronautics Limited

✗ 4. Bharat Electronics Limited

Question ID : **81616113160**	
Status : **Answered**	
Chosen Option : **3**	

Q.3 _____ organised his trusted nobles into a group of forty known as Turkan-i-Chahalgani.

Ans ✔ 1. Iltutmish

✘ 2. Ala-ud-Din Khilji

✘ 3. Qutub-Ud-Din Aibak

✘ 4. Balban

Question ID : **81616112544**

Status : **Answered**

Chosen Option : **1**

Q.4 _____ is a branch of biology that studies fungi.

Ans ✘ 1. Morphology

✘ 2. Virology

✘ 3. Kalology

✔ 4. Mycology

Question ID : **81616112938**

Status : **Answered**

Chosen Option : **4**

Q.5 Who among the following was the Australian Open 2020 women's singles winner?

Ans ✘ 1. Garbine Muguruza

✘ 2. Simona Halep

✘ 3. Serena Williams

✔ 4. Sofia Kenin

Question ID : **81616112955**

Status : **Not Answered**

Chosen Option : **--**

Q.6 The elements of the groups 3 to 12 are called _____ elements or transition elements.

Ans ✔ 1. d-block

✘ 2. a-block

✘ 3. c-block

✘ 4. b-block

Question ID : **81616112538**

Status : **Answered**

Chosen Option : **1**

Q.7 How many people were awarded the Padma Vibhushan in January 2021?

Ans ✘ 1. 4

✘ 2. 10

✔ 3. 7

✘ 4. 29

Question ID : **81616113158**

Status : **Answered**

Chosen Option : **3**

Q.8 Which of the following nations is NOT a part of the Quad Group?

Ans ✗ 1. Australia

✗ 2. India

✗ 3. Japan

✓ 4. Canada

Question ID : **81616112553**

Status : **Answered**

Chosen Option : **4**

Q.9 Where is the headquarters of International Hockey Federation (FIH) located?

Ans ✓ 1. Switzerland

✗ 2. Bhutan

✗ 3. Australia

✗ 4. Nepal

Question ID : **81616113156**

Status : **Answered**

Chosen Option : **1**

Q.10 Who among the following had written the book 'Char Chaman', during the reign of Shah Jahan, describing the Mughal nobility?

Ans ✗ 1. Gulbadan Begum

✗ 2. Abu'l Dazl

✓ 3. Chandrabhan Brahman

✗ 4. Muhammad Waris

Question ID : **81616112949**

Status : **Answered**

Chosen Option : **4**

Q.11 In which of the following years was the origin and enactment of the Indian Age of Consent Act passed?

Ans ✗ 1. 1901

✗ 2. 1889

✓ 3. 1891

✗ 4. 1834

Question ID : **81616112946**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Which of the following is a private good?

Ans   ✗ 1. Non-rival in consumption and non-excludable

✓ 2. A good that is consumed by a single person or household

✗ 3. Spillover benefits

✗ 4. A good that is available to everyone to consume, regardless of who pays for it and who does not.

Question ID : **81616112230**

Status : **Answered**

Chosen Option : **4**

Q.13 Who is the ex-officio President of the Indian Parliamentary Group (IPG), set up in 1949, which functions as the national group of the Inter-Parliamentary Union (IPU) and the main branch of the Commonwealth Parliamentary Association (CPA) in India?

Ans   ✗ 1. Vice President

✗ 2. Prime Minister

✗ 3. President

✓ 4. Speaker of the Lok Sabha

Question ID : **81616112549**

Status : **Answered**

Chosen Option : **1**

Q.14 In which state is Ponu Yoksi, a sword-like instrument, used during ceremonial dances performed by priests?

Ans   ✓ 1. Arunachal Pradesh

✗ 2. Madhya Pradesh

✗ 3. Uttar Pradesh

✗ 4. Himachal Pradesh

Question ID : **81616112228**

Status : **Answered**

Chosen Option : **1**

Q.15 Of the known elements in the periodic table, only _____ are gases under normal atmospheric conditions.

Ans   ✗ 1. 10

✗ 2. 13

✓ 3. 11

✗ 4. 12

Question ID : **81616112941**

Status : **Answered**

Chosen Option : **2**

Q.16 Which of the following countries' former Prime Minister was awarded with the Padma Vibhushan award in 2021?

Ans ✓ 1. Japan

✗ 2. Bangladesh

✗ 3. Nepal

✗ 4. Sri Lanka

Question ID : **81616113152**

Status : **Answered**

Chosen Option : **1**

Q.17 In which Indian state will you find the Borail Wildlife Sanctuary?

Ans ✗ 1. Odisha

✓ 2. Assam

✗ 3. Karnataka

✗ 4. West Bengal

Question ID : **81616112236**

Status : **Not Answered**

Chosen Option : **--**

Q.18 The _____ rate measures rising prices in everything except food and energy.

Ans ✓ 1. core inflation

✗ 2. wage inflation

✗ 3. deflation

✗ 4. stagflation

Question ID : **81616112532**

Status : **Answered**

Chosen Option : **2**

Q.19 Which of the following is one of the metals used in LED semiconductor technology?

Ans ✗ 1. Iron

✗ 2. Zinc

✓ 3. Gallium

✗ 4. Copper

Question ID : **81616113141**

Status : **Not Answered**

Chosen Option : **--**

Q.20 The place of Gautama Buddha's birth was a grove known as _____.

Ans ✗ 1. Kavus

✗ 2. Mangar Bani

✓ 3. Lumbini

✗ 4. Mawphlang

Question ID : **81616112240**

Status : **Answered**

Chosen Option : **3**

Q.21 _____ is a practice of establishing and managing individual trees generally for amenity purposes.

Ans ✔ 1. Arboriculture

✘ 2. Viniculture

✘ 3. Floriculture

✘ 4. Silviculture

Question ID : **81616113147**

Status : **Answered**

Chosen Option : **1**

Q.22 When is the Hindi Diwas observed annually?

Ans ✘ 1. 2 October

✔ 2. 14 September

✘ 3. 14 March

✘ 4. 6 April

Question ID : **81616112934**

Status : **Answered**

Chosen Option : **2**

Q.23 Who among the following was the first Vice President of India?

Ans ✘ 1. Zakir Hussain

✘ 2. Varahagiri Venkata Giri

✔ 3. Sarvepalli Radhakrishnan

✘ 4. Gopal Swarup Pathak

Question ID : **81616112245**

Status : **Answered**

Chosen Option : **3**

Q.24 What is the name of the river formed by the confluence of Sankh River and South Koel River at Vedvyas in Odisha?

Ans ✘ 1. Pennar

✘ 2. Sabarmati

✘ 3. Subarnarekha

✔ 4. Brahmani

Question ID : **81616112540**

Status : **Not Answered**

Chosen Option : **--**

Q.25 Which of the following is also called 'green algae'?

Ans ✘ 1. Porphyridium

✘ 2. Phaeophyceae

✘ 3. Rhodophyceae

✔ 4. Chlorophyceae

Question ID : **81616112233**

Status : **Answered**

Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 If one of the angles of a triangle is 74°, then the angle between the bisectors of the other two interior angles is:

Ans
✗ 1. 106°
✔ 2. 127°
✗ 3. 16°
✗ 4. 53°

Question ID : **81616113177**
Status : **Answered**
Chosen Option : **2**

Q.2 What is the ratio of the average of first eight prime numbers to the average of first ten even natural numbers?

Ans
✔ 1. 7 : 8
✗ 2. 1 : 7
✗ 3. 8 : 70
✗ 4. 7 : 80

Question ID : **81616112557**
Status : **Answered**
Chosen Option : **1**

Q.3 Table shows the number of trees planted in 4 cities from 2016 to 2020.

Years	Chandigarh	Ahmadabad	Pune	Kolkata
2016	1800	2500	1800	2000
2017	2500	2300	1850	1800
2018	2300	2400	1840	1760
2019	2440	1950	1900	1600
2020	2250	2100	2000	1750

In which year were the maximum number of trees planted?

Ans
✗ 1. 2018
✔ 2. 2017
✗ 3. 2020
✗ 4. 2016

Question ID : **81616112577**
Status : **Not Answered**
Chosen Option : **--**

Q.4 $\dfrac{cot^3\,\theta}{cosec^2\theta} + \dfrac{tan^3\,\theta}{sec^2\theta} + 2\,sin\,\theta\,cos\theta = ?$

Ans ✗ 1. $sin\theta cos\theta$

✓ 2. $cosec\theta sec\theta$

✗ 3. $cosec^2\theta sec^2\theta$

✗ 4. $sin^2\theta cos\theta$

Question ID : **81616112373**
Status : **Answered**
Chosen Option : **2**

Q.5 A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 4 days B had to leave. Then A working with a new worker C completed the remaining work in 3 days. If C works alone, in how many days he can do 40% of the same work?

Ans ✗ 1. 10

✓ 2. 9

✗ 3. 8

✗ 4. $8\dfrac{1}{2}$

Question ID : **81616112260**
Status : **Answered**
Chosen Option : **2**

Q.6 A train leaves station A at 8 am and reaches station B at 12 noon. A car leaves station B at 8:30 am and reaches station A at the same time when the train reaches station B. At what time do they meet?

Ans ✗ 1. 9 : 52 am

✗ 2. 10 : 22 am

✓ 3. 10 : 08 am

✗ 4. 9 : 38 am

Question ID : **81616112968**
Status : **Answered**
Chosen Option : **3**

Q.7 Three shopkeepers A, B and C marked an identical article at ₹4820. A, B and C sold their article on successive discounts of 20% and 20%; 25% and 15%; 30% and 10% respectively. Which shopkeeper gives the maximum discount and how much (in Rs)?

Ans ✗ 1. C,1780

✗ 2. A,1735.20

✓ 3. C,1783.40

✗ 4. B, 1800

Question ID : **81616112962**
Status : **Marked For Review**
Chosen Option : **3**

Q.8 If $\left(16\sqrt{2}x^3 + 81\sqrt{3}y^3\right) \div \left(2\sqrt{2}x + 3\sqrt{3}y\right) = Ax^2 + By^2 + Cxy$, then find the value of $2A - 3B - 2\sqrt{6}\,C$.

Ans
   ✗ 1. 137

   ✗ 2. 79

   ✗ 3. 25

   ✔ 4. 7

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Question ID : **81616112971**

Status : **Answered**

Chosen Option : **4**

</div>

Q.9 From an external point A, two tangents AB and AC have been drawn to a circle touching the circle at B and C respectively. P and Q are points on AB and AC respectively such that PQ touches the circle at R. If AB = 11 cm, AP = 7 cm and AQ = 9 cm, then find the length of PQ (in cm).

Ans
   ✔ 1. 6

   ✗ 2. 8

   ✗ 3. 7

   ✗ 4. 5

<div style="text-align:right">

Question ID : **81616112569**

Status : **Answered**

Chosen Option : **1**

</div>

Q.10 In $\triangle ABC, AB = 20\,cm, BC = 21\,cm$ and $AC = 29\,cm$. What is the value of $\cot C + \csc C - 2\tan A$?

Ans
   ✗ 1. $\dfrac{7}{20}$

   ✗ 2. $\dfrac{9}{20}$

   ✗ 3. $\dfrac{3}{5}$

   ✔ 4. $\dfrac{2}{5}$

<div style="text-align:right">

Question ID : **81616113786**

Status : **Answered**

Chosen Option : **4**

</div>

Q.11 Table shows income (in ₹) received by 4 employees of a company during the month of December 2020 and all their income sources.

Source	Amit	Suresh	Nitin	Varun
Salary	35000	38500	29000	42000
Arrears	6000	6300	5000	7500
Bonus	1000	1100	1000	1240
Overtime	1800	1950	1400	1500

By what percent is the bonus of Varun less than the bonus of Amit and Nitin taken together?

Ans ✗ 1. 45

✔ 2. 38

✗ 3. 48

✗ 4. 40.9

Question ID : **81616112579**
Status : **Answered**
Chosen Option : **2**

Q.12 The bar graph shows the number of students enrolled for a science course in institutes A and B during 5 years from 2014 to 2018,
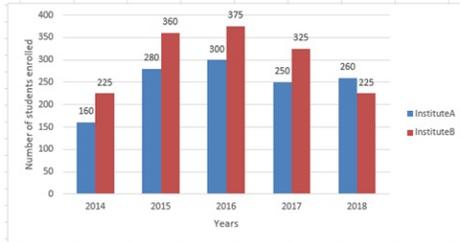
What is the ratio of the total numbers of students enrolled in institute B in 2015 and 2017 to that of students enrolled in institute A in 2014 and 2016?

Ans ✗ 1. 92 : 137

✗ 2. 111 : 91

✔ 3. 137 : 92

✗ 4. 91 : 111

Question ID : **81616113284**
Status : **Answered**
Chosen Option : **3**

Q.13 Chamanlal, Arshad and Jagjit Singh contested an election. All the votes polled were valid. Arshad got 35% of the total votes. For every 35 votes Chamanlal got 14 votes. The winner got 4950 more votes than the person who received the least number of votes. Find the total number of votes polled.

Ans ✗ 1. 13378

✗ 2. 38000

✗ 3. 99000

✔ 4. 33000

Question ID : **81616112256**
Status : **Answered**
Chosen Option : **4**

Q.14 If $4x^4 - 37x^2 + 9 = 0, x > \sqrt{\frac{3}{2}}$, then what is the value of $8x^3 - \frac{27}{x^3}$?

Ans ✗ 1. -35

✗ 2. 35

✗ 3. -215

✔ 4. 215

Question ID : **81616112265**

Status : **Answered**

Chosen Option : **4**

Q.15 If the nine-digit number 7p5964q28 is completely divisible by 88, what is the value of ($p^2 - q$) , for the largest value of q, where p and q are natural numbers?

Ans ✗ 1. 9

✗ 2. 0

✗ 3. 81

✔ 4. 72

Question ID : **81616112252**

Status : **Answered**

Chosen Option : **4**

Q.16 A heap of wheat is in the form of a cone whose base diameter is 8.4 m and height is 1.75 m. The heap is to be covered by canvass. What is the area (in m^2) of the canvas required? $\left(\text{Use } \pi = \frac{22}{7} \right)$

Ans ✔ 1. 60.06

✗ 2. 115.05

✗ 3. 115.5

✗ 4. 60.6

Question ID : **81616112565**

Status : **Answered**

Chosen Option : **1**

Q.17 Hridaya opened her piggy bank and found coins of denomination ₹1, ₹2, ₹5 and ₹ 10 in the ratio 10 : 5 : 2 : 1. If there are 72 coins in all, then how much money (in ₹) was there in the piggy bank in the form of coins?

Ans ✔ 1. 160

✗ 2. 72

✗ 3. 90

✗ 4. 100

Question ID : **81616112965**

Status : **Answered**

Chosen Option : **1**

Q.18 If $a - \frac{12}{a} = 1$, where $a > 0$, then the value of $a^2 + \frac{16}{a^2}$ is:

Ans ✗ 1. 15

✗ 2. 11

✓ 3. 17

✗ 4. 19

Question ID : **81616113172**
Status : **Not Answered**
Chosen Option : **--**

Q.19 A sum at a certain rate of simple interest becomes ₹14880 after 3 years and ₹16800 after 5 years. Find the simple interest on the same sum at 10% per annum for 4 years (in ₹).

Ans ✗ 1. 4740

✗ 2. 5184

✗ 3. 4860

✓ 4. 4800

Question ID : **81616112259**
Status : **Answered**
Chosen Option : **4**

Q.20 The value of $3\frac{5}{6} + \left[3\frac{2}{3} + \left\{ \frac{15}{4} \left(5\frac{4}{5} \div 14\frac{1}{2} \right) \right\} \right]$ is equal to:

Ans ✓ 1. 9

✗ 2. 6

✗ 3. 7

✗ 4. 8

Question ID : **81616113162**
Status : **Answered**
Chosen Option : **1**

Q.21 AB is a diameter of a circle. C and D are points on the opposite sides of the diameter AB, such that $\angle ACD = 25°$. E is a point on the minor arc BD. Find the measure of $\angle BED$ (in degrees).

Ans ✗ 1. 125

✗ 2. 105

✗ 3. 130

✓ 4. 115

Question ID : **81616112267**
Status : **Answered**
Chosen Option : **4**

Q.22 Radha purchased a Computer table for ₹10000 and a Centre table for ₹5000. She sold Computer table with 8% profit. With what profit percent should she sell the Centre table so as to gain 10% on the whole transaction?

Ans

✗ 1. 18%

✗ 2. 10%

✔ 3. 14%

✗ 4. 12%

Q.23 The following Pie chart represents the percentage-wise distribution of 300 students of class X in a school in six different sections A. B. C. D. E and F.
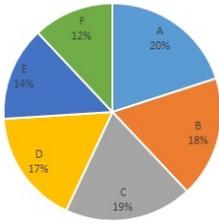
The table given below shows the number of boys of class X in six different sections A, B, C, D, E and F.

Section	A	B	C	D	E	F
No. of boys	36	26	34	28	x	20

If in section E, the ratio of the number of boys to the number of girls is 3 : 4, then the ratio of number of boys in section E to the number of girls in section C is :

Ans

✗ 1. 24 : 23

✔ 2. 18 : 23

✗ 3. 23 : 18

✗ 4. 23 : 24

Q.24 In a triangle ABC, point D lies on AB, and points E and F lie on BC such that DF is parallel to AC and DE is parallel to AF. If BE = 4 cm, CF = 3 cm, then find the length (in cm) of EF.

Ans

✗ 1. 3

✗ 2. 1.5

✔ 3. 2

✗ 4. 5

Q.25 If $2\sin(3x - 15)° = 1, 0° < (3x - 15) < 90°$, then find the value of $cos^2\,(2x + 15)° + cot^2\,(x + 15)°$.

Ans

✗ 1. $\dfrac{5}{2}$

✓ 2. $\dfrac{7}{2}$

✗ 3. 1

✗ 4. $-\dfrac{7}{2}$

Question ID : **81616112270**

Status : **Answered**

Chosen Option : **2**

Section : **English Comprehension**

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

The postman had delayed the letter.

Ans ✗ 1. The letter was delayed by the postman.

✓ 2. The letter had been delayed by the postman.

✗ 3. The postman had been delayed by the letter.

✗ 4. The letter had delayed the postman.

Question ID : **81616112279**

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'.

Sholay is one in the most popular Hindi movies.

Ans ✗ 1. is one in the more popular

✗ 2. is in the most popular

✗ 3. No substitution

✓ 4. is one of the most popular

Question ID : **81616112281**

Status : **Answered**

Chosen Option : **4**

Q.3 Select the INCORRECTLY spelt word.

Ans ✓ 1. Luxuriaus

✗ 2. Recluse

✗ 3. Virtuous

✗ 4. Profuse

Question ID : **81616113208**

Status : **Answered**

Chosen Option : **1**

Q.4 **Select the most appropriate synonym of the given word.**

Chaos

Ans ✖ 1. Dirt

✔ 2. Confusion

✖ 3. Tension

✖ 4. Fusion

Question ID : **81616112594**

Status : **Answered**

Chosen Option : **2**

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

Ans ✖ 1. Perfectionist

✔ 2. Pessymist

✖ 3. Optimist

✖ 4. Fatalist

Question ID : **81616113209**

Status : **Answered**

Chosen Option : **2**

Q.6 **Select the most appropriate ANTONYM of the given word.**

Elated

Ans ✖ 1. Proud

✔ 2. Depressed

✖ 3. Excited

✖ 4. Thrilled

Question ID : **81616113202**

Status : **Answered**

Chosen Option : **2**

Q.7 **Select the most appropriate meaning of the following idiom.**

To the nines

Ans ✖ 1. To great depths

✔ 2. To perfection

✖ 3. To be exalted

✖ 4. To be jealous

Question ID : **81616113002**

Status : **Answered**

Chosen Option : **2**

Q.8 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. There are many secondary reasons as well along with increasing levels of carbon.
B. The term is used to describe the unnatural rise in earth's average temperature.
C. Increased carbon dioxide is the primary driver of global warming.
D. Global warming is the single biggest threat to life on earth today.

Ans ✗ 1. DABC

✓ 2. DBCA

✗ 3. ACBD

✗ 4. ABCD

Question ID : **81616113198**

Status : **Answered**

Chosen Option : **2**

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. This awareness has motivated everyone to go for physical exercises.
B. These days people are more aware of their health.
C. In addition to physical exercises, some prefer taking health supplements too.
D. It is advisable, but one should consult a trainer/doctor before consuming health supplements.

Ans ✗ 1. DBCA

✓ 2. BACD

✗ 3. BADC

✗ 4. ADBC

Question ID : **81616112997**

Status : **Answered**

Chosen Option : **2**

Q.10 Select the most appropriate meaning of the following idiom.

Apple of one's eye

Ans ✗ 1. Someone who plays all sports

✗ 2. Someone who behaves courteously

✓ 3. Someone very precious or dear

✗ 4. Someone with great respect

Question ID : **81616113003**

Status : **Answered**

Chosen Option : **3**

Q.11 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.

"Would you liked / to have / some fries / along with your coffee, / sir?" / asked the waiter.

Ans ✗ 1. some fries

✗ 2. along with your coffee

✗ 3. asked the waiter

✓ 4. Would you liked

Question ID : **81616112278**	
Status : **Answered**	
Chosen Option : **4**	

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

Much of the truth about the mysterious death of her pet <u>was not revealed</u>.

Ans ✗ 1. were not being revealed

✗ 2. have not revealed

✓ 3. No substitution

✗ 4. were not revealed

Question ID : **81616112585**	
Status : **Answered**	
Chosen Option : **3**	

Q.13 Select the most appropriate option to fill in the blank.

I read some _____ of properties for sale on the Internet before I called the agent.

Ans ✗ 1. monologues

✓ 2. descriptions

✗ 3. arguments

✗ 4. spaces

Question ID : **81616112301**	
Status : **Answered**	
Chosen Option : **2**	

Q.14 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The supervisor / wanted to known / the pros and cons / of the issue.

Ans ✗ 1. The supervisor

✓ 2. wanted to known

✗ 3. of the issue

✗ 4. the pros and cons

Question ID : **81616112984**	
Status : **Answered**	
Chosen Option : **2**	

Q.15 Select the option that can be used as a one-word substitute for the given group of words.

A large bedroom for a number of people in a school or institution.

Ans ✗ 1. Assembly

✓ 2. Dormitory

✗ 3. Creche

✗ 4. Hostel

Question ID : **81616112297**

Status : **Answered**

Chosen Option : **2**

Q.16 Select the option that expresses the given sentence in indirect speech.

The teacher said, "Man is mortal."

Ans ✗ 1. The teacher instructed that man was mortal.

✗ 2. The teacher said that men were mortal.

✗ 3. The teacher said that man was mortal.

✓ 4. The teacher said that man is mortal.

Question ID : **81616112583**

Status : **Answered**

Chosen Option : **4**

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

Harmony

Ans ✗ 1. Concord

✓ 2. Conflict

✗ 3. Amity

✗ 4. Accord

Question ID : **81616113001**

Status : **Answered**

Chosen Option : **2**

Q.18 Select the option that can be used as a one-word substitute for the given group of words.

A group of people, typically with vehicles or animals, travelling together.

Ans ✗ 1. Gang

✗ 2. Troop

✓ 3. Caravan

✗ 4. Circus

Question ID : **81616112298**

Status : **Answered**

Chosen Option : **3**

Q.19 Select the most appropriate option to fill in the blank.

The jungle was nearly _____, so the progress was slow.

Ans ✓ 1. impenetrable

✗ 2. immaterial

✗ 3. immortal

✗ 4. immobile

Question ID : **81616112605**

Status : **Answered**

Chosen Option : **1**

Q.20 Select the most appropriate synonym of the given word.

Rejuvenate

Ans ✗ 1. Reset

✗ 2. Retake

✗ 3. Retell

✓ 4. Refresh

Question ID : **81616112595**

Status : **Marked For Review**

Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank no.1.

Ans ✗ 1. maturity

✓ 2. development

✗ 3. ripening

✗ 4. progress

Question ID : **81616113193**

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.

It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank no.2.**

Ans   ✗ 1. domestic

       ✔ 2. essential

       ✗ 3. external

       ✗ 4. needless

> Question ID : **81616113194**
> 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.

It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No : 23

Q.23 **Select the most appropriate option to fill in blank no.3.**

Ans   ✗ 1. related

       ✔ 2. introduced

       ✗ 3. settled

       ✗ 4. improved

> Question ID : **81616113195**
> 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.

It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no.4.

Ans   ✗ 1. charge

      ✗ 2. duty

      ✗ 3. urgency

      ✓ 4. need

Question ID : **81616113196**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no.5.

Ans   ✓ 1. meet

      ✗ 2. meeting

      ✗ 3. met

      ✗ 4. meets

Question ID : **81616113197**
Status : **Answered**
Chosen Option : **1**