Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Albert Road
Exam Date	09/12/2022
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.**
7 : 330 :: ? : 203 :: 9 : 716

Ans
✗ 1. 14
✗ 2. 16
✓ 3. 6
✗ 4. 4

Question ID : **26433059933**
Status : **Answered**
Chosen Option : **3**

Q.2 **A + B means 'A is the father of B'**
A – B means 'A is the mother of B'
A % B means 'A is the brother of B'
A & B means 'A is the son of B'
If P – Q % R & S + T, then how is P related to T?

Ans
✗ 1. Mother-in-law
✗ 2. Sister
✓ 3. Mother
✗ 4. Daughter

Question ID : **26433059902**
Status : **Answered**
Chosen Option : **3**

Q.3 **By Interchanging the given two numbers which of the following equation will be correct?**
8 and 2

Ans
✗ 1. 7 ÷ 2 – 8 × 4 + 1 = 0
✗ 2. 2 × 4 – 8 + 5 ÷ 1 = 50
✓ 3. 8 × 4 + 6 – 2 ÷ 1 = 6
✗ 4. 8 × 4 – 9 ÷ 3 + 2 = 35

Question ID : **264330105102**
Status : **Answered**
Chosen Option : **3**

Q.4 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

$$18 + (12 \times 6) + (63 \div 7) \times 4 + (27)^{\frac{1}{3}} - 11 = 112$$

Ans

✗ 1. 18 and 11

✗ 2. 12 and 4

✓ 3. 6 and 4

✗ 4. 18 and 12

Question ID : **26433069209**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Which of the following letter clusters will replace the question mark (?) and complete the following letter cluster series?**
OG, RL, XQ, GV, ?

Ans

✓ 1. SA

✗ 2. RZ

✗ 3. SB

✗ 4. RA

Question ID : **26433066006**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1- History
2- Historian
3- Hobnail
4- Historical
5- Hobnob

Ans

✗ 1. 4, 1, 2, 5, 3

✓ 2. 2, 4, 1, 3, 5

✗ 3. 2, 1, 4, 5, 3

✗ 4. 1, 2, 4, 3, 5

Question ID : **26433079445**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the option that is related to the third word in the same way as the second word is related to the first word.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Milk : Litre :: Sugar : ?

Ans

✗ 1. Hectare

✗ 2. Kilometer

✗ 3. Metre

✓ 4. Kilogram

Question ID : **26433069544**
Status : **Answered**
Chosen Option : **4**

Q.8 **In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.**
Statements:
I. All R are H.
II. Some T are R.
Conclusion:
I. All H are R.
II. All T are H.
III. No R is T.

Ans
✔ 1. Neither conclusion follows
✘ 2. Both conclusions I and II follows
✘ 3. All conclusion follows
✘ 4. Only conclusion III follows

Question ID : **264330104932**
Status : **Answered**
Chosen Option : **1**

Q.9 **In a certain code language, 'KNIGHT' is written as 'PMRTSG' and 'FELLOW' is written as 'UVOOLD'. How will 'DECENT' be written in that language?**

Ans
✘ 1. WXVVMG
✔ 2. WVXVMG
✘ 3. WVXMVG
✘ 4. WVXVGM

Question ID : **26433059883**
Status : **Answered**
Chosen Option : **2**

Q.10 **In a certain code language, 'FUND' is written as 'FOVH' and 'SEND' is written as 'FOFU'. How will 'GIFT' be written in that language?**

Ans
✘ 1. HIGW
✘ 2. IKGV
✔ 3. VGJI
✘ 4. IIGV

Question ID : **26433069569**
Status : **Answered**
Chosen Option : **3**

Q.11 **If A + B means that A is the father of B, A ÷ B means that A is the mother of B, A × B means that A is the brother of B then which of the following expression shows that Q is the sister of P?**

Ans
✘ 1. P × Q + R
✘ 2. P + R × Q
✔ 3. P × Q ÷ R
✘ 4. Q × P ÷ R

Question ID : **264330104987**
Status : **Answered**
Chosen Option : **3**

Q.12 **Select the word-pair that best represents a similar relationship to the one expressed in the given pair of words.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Length : Metre

Ans

✔ 1. Electric current : Ampere

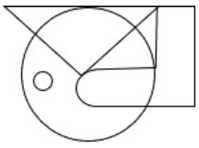
✘ 2. Mass : Heavy

✘ 3. Temperature : Hot

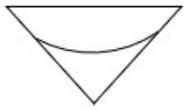
✘ 4. Volume : Light

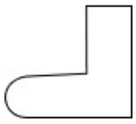
Question ID : **26433068416**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the option figure which is embedded in the given figure (rotation is NOT allowed).



Ans

✘ 1. 

✔ 2. 

✘ 3.

✘ 4.

Question ID : **26433068723**
Status : **Answered**
Chosen Option : **2**

Q.14 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans

✘ 1. XYZ

✔ 2. LNM

✘ 3. ABC

✘ 4. IJK

Question ID : **26433068999**
Status : **Answered**
Chosen Option : **2**

Q.15 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed).
(56, 6, 34)
(102, 27, 78)

Ans
✗ 1. (79, 51, 103)
✓ 2. (76, 34, 72)
✗ 3. (63, 23, 55)
✗ 4. (52, 22, 38)

Question ID : **26433074778**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **By Interchanging the given two numbers which of the following equation will be correct?**
5 and 9

Ans
✗ 1. 9 – 5 × 4 + 6 ÷ 3 = 30
✗ 2. 9 × 3 + 5 ÷ 1 – 6 = 20
✗ 3. 7 × 9 + 5 – 8 ÷ 4 = 40
✓ 4. 9 × 4 + 5 – 8 ÷ 2 = 25

Question ID : **264330105103**
Status : **Answered**
Chosen Option : **4**

Q.17 **Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**
Statements:
Some apples are fruits.
All fruits are vegetables.
No vegetable is healthy.
Conclusions:
I- No apple is healthy.
II- No healthy is vegetable.
III- Some vegetables are apples.

Ans
✗ 1. Only conclusions I and II follow.
✗ 2. Only conclusions I and III follow.
✗ 3. All conclusions follow.
✓ 4. Only conclusions II and III follow.

Question ID : **26433070397**
Status : **Answered**
Chosen Option : **4**

Q.18 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 : **26433080511**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)**

Ans

✘ 1. 32 – 65

✘ 2. 12 – 25

✔ 3. 28 – 56

✘ 4. 26 – 53

Question ID : **264330105059**
Status : **Answered**
Chosen Option : **3**

Q.20 **Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.**
27 : 713 :: 32 : ? :: 35 : 1209

Ans

✘ 1. 1024

✘ 2. 1100

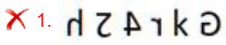
✘ 3. 1105

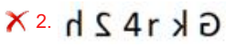
✔ 4. 1008

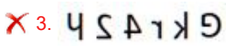
Question ID : **26433068376**
Status : **Answered**
Chosen Option : **4**

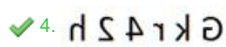
Q.21 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **26433068197**
Status : **Answered**
Chosen Option : **4**

Q.22 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.

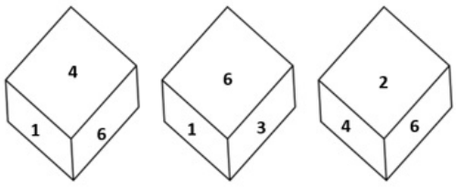


Figure 1 Figure 2 Figure 3

Ans

✓ 1. 2

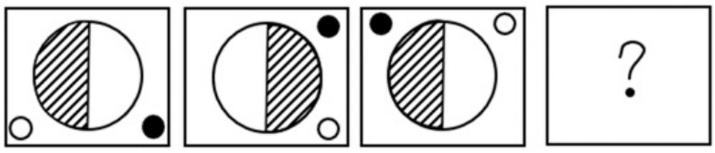
✗ 2. 6

✗ 3. 3

✗ 4. 4

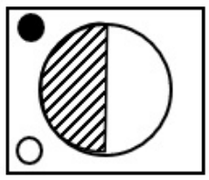
Question ID : **26433069442**
Status : **Answered**
Chosen Option : **1**

Q.23 Select the figure that will replace the question mark (?) in the following figure series.

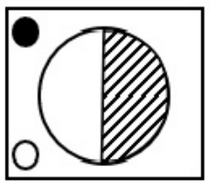


Ans

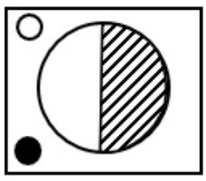
✗ 1.



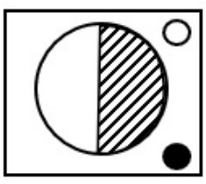
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433065978**
Status : **Answered**
Chosen Option : **3**

Q.24 **Which of the following number will replace the question mark (?) in the given series?**
137, 114, ?, 91, 183

Ans

✗ 1. 145

✓ 2. 160

✗ 3. 125

✗ 4. 112

Question ID : **26433068841**
Status : **Answered**
Chosen Option : **2**

Q.25 **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**
SMQ, WUZ, ACI, EKR, ?

Ans
✔ 1. ISA
✘ 2. IMR
✘ 3. NMR
✘ 4. QRT

Question ID : **264330104811**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **How many Lok Sabha constituencies are there in India?**

Ans
✘ 1. 553
✘ 2. 523
✔ 3. 543
✘ 4. 533

Question ID : **26433064849**
Status : **Answered**
Chosen Option : **3**

Q.2 **In 1887, the Royal Society, London gave the Davy Medal for the 'discovery of the periodic law of chemical elements' to _____.**

Ans
✘ 1. AEB de Chancourtois
✘ 2. Dmitri Mendeleev
✘ 3. Lothar Meyer
✔ 4. John Alexander Newland

Question ID : **26433064088**
Status : **Answered**
Chosen Option : **2**

Q.3 **Name the committee formed for the Village and Small-scale Industries in 1955?**

Ans
✘ 1. Rangarajan Committee
✘ 2. Basel Committee
✔ 3. Karve Committee
✘ 4. Narasimhan Committee

Question ID : **26433065447**
Status : **Answered**
Chosen Option : **1**

Q.4 **In November 2022, technology Transfer Scheme is implemented by which of these states?**

Ans
✘ 1. Uttar Pradesh
✘ 2. Andhra Pradesh
✘ 3. Maharashtra
✔ 4. Kerala

Question ID : **264330105249**
Status : **Answered**
Chosen Option : **3**

Q.5 **Who among the following performed a ritual called 'hiranya-garbha'?**

Ans
✔ 1. Dantidurga
✘ 2. Govinda I
✘ 3. Dhruva Dharavarsha
✘ 4. Krishna I

Question ID : **264330105402**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Which of the following Acts of the British Parliament stated that a member of the British Cabinet was appointed Secretary of State for India?**

Ans
✘ 1. Indian Council Act of 1861
✔ 2. Government of India Act of 1858
✘ 3. Regulating Act, 1773
✘ 4. Charter Act of 1853

Question ID : **26433085264**
Status : **Answered**
Chosen Option : **3**

Q.7 **Against whom was the Battle of Plassey (1751) fought by the English Company led by Robert Clive?**

Ans
✘ 1. Nizam of Awadh
✔ 2. Siraj Ud Daulah
✘ 3. Murshid Quli Khan
✘ 4. Shaan Nawab

Question ID : **264330105558**
Status : **Answered**
Chosen Option : **2**

Q.8 **In July 2022, the Supreme Court accepted the report of the Banthia Commission. In its report, the commission recommended that OBCs should be given up to _____ reservation in local bodies.**

Ans
✔ 1. 27 percent
✘ 2. 15 percent
✘ 3. 24 percent
✘ 4. 20 percent

Question ID : **264330105238**
Status : **Answered**
Chosen Option : **1**

Q.9 **The mode of transport to reach the most remote and distant areas which are most inaccessible is _____.**

Ans
✘ 1. Waterways
✘ 2. Roadways
✘ 3. Railways
✔ 4. Airways

Question ID : **264330105596**
Status : **Answered**
Chosen Option : **1**

Q.10 How many rights are mentioned under “Right to Equality”?

Ans
✗ 1. 3
✗ 2. 6
✓ 3. 5
✗ 4. 4

Question ID : **26433086668**
Status : **Answered**
Chosen Option : **2**

Q.11 Which low-calorie sweetener has the chemical formula $C_{14}H_{18}N_2O_5$ that is two hundred times sweeter than sugar?

Ans
✗ 1. Saccharin
✓ 2. Aspartame
✗ 3. Sucralose
✗ 4. Neotame

Question ID : **26433092181**
Status : **Marked For Review**
Chosen Option : **1**

Q.12 Techniques of making silk were first invented in China around _____ years ago.

Ans
✓ 1. 7000
✗ 2. 3000
✗ 3. 9000
✗ 4. 5000

Question ID : **264330105187**
Status : **Answered**
Chosen Option : **4**

Q.13 The first edition of the Common wealth Youth Games was organised in which of the following years?

Ans
✗ 1. 2008
✗ 2. 2012
✓ 3. 2000
✗ 4. 2016

Question ID : **26433071546**
Status : **Not Answered**
Chosen Option : **--**

Q.14 The ceremony that marks the end of Republic Day celebrations is _____.

Ans
✓ 1. the beating retreat ceremony
✗ 2. the fly-past by the Indian Air Force fighter aircraft
✗ 3. the ‘At Home’ ceremony at Rashtrapati Bhawan
✗ 4. the homage ceremony at National War Memorial

Question ID : **26433086584**
Status : **Answered**
Chosen Option : **3**

Q.15 **Which of the following pairs of countries hosted the FIVB Volleyball Men's World Championship in 2022?**

Ans
- ✗ 1. Bulgaria and Slovenia
- ✗ 2. Italy and Bulgaria
- ✓ 3. Poland and Slovenia
- ✗ 4. Italy and Poland

Question ID : **26433059410**
Status : **Answered**
Chosen Option : **1**

Q.16 **Polar easterlies are which kind of winds?**

Ans
- ✗ 1. Seasonal winds
- ✓ 2. Permanent winds
- ✗ 3. Sea storm
- ✗ 4. Local winds

Question ID : **264330105651**
Status : **Answered**
Chosen Option : **1**

Q.17 **_____ took over the charge of Director General of Employees' State Insurance Corporation in October 2022.**

Ans
- ✗ 1. Ravi Mittal
- ✗ 2. Suchitra K Ella
- ✗ 3. Ajay Bhushan Pandey
- ✓ 4. Rajendra Kumar

Question ID : **264330105354**
Status : **Answered**
Chosen Option : **3**

Q.18 **Identify the longest part of bacterial flagellum.**

Ans
- ✗ 1. Basal body
- ✗ 2. Hook
- ✗ 3. Tail
- ✓ 4. Filament

Question ID : **26433064761**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **Borgeet, a musical composition, is used in which of the following classical dances of India?**

Ans
- ✗ 1. Manipuri
- ✗ 2. Kathak
- ✓ 3. Sattriya
- ✗ 4. Bharatanatyam

Question ID : **26433064290**
Status : **Answered**
Chosen Option : **3**

Q.20 **Which of the following cells line the spongocoels and canals in members of the phylum Porifera?**

Ans
✗ 1. Somatic cells
✓ 2. Collar cells
✗ 3. White cells
✗ 4. Sex cells

Question ID : **26433087858**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **Chilika lake is situated in which of the following states?**

Ans
✗ 1. Karnataka
✗ 2. Kerala
✓ 3. Odisha
✗ 4. Andhra Pradesh

Question ID : **26433066519**
Status : **Answered**
Chosen Option : **3**

Q.22 **Which of the following sites do “Not” have coal mines?**

Ans
✓ 1. Sonipat
✗ 2. Neyveli
✗ 3. Korba
✗ 4. Singareni

Question ID : **264330105503**
Status : **Answered**
Chosen Option : **1**

Q.23 **Hema Malini, a well-known Bharatnatyam dancer and Bollywood actor, received which of the following honours of Indian civilians given by the Government of India in 2000?**

Ans
✗ 1. Bharat Ratna
✓ 2. Padma Shri
✗ 3. Padma Bhushan
✗ 4. Padma Vibhushan

Question ID : **26433074833**
Status : **Answered**
Chosen Option : **3**

Q.24 **Which of the following dance forms is performed to Carnatic music?**

Ans
✗ 1. Kathak
✓ 2. Kuchipudi
✗ 3. Odissi
✗ 4. Sattriya

Question ID : **26433054865**
Status : **Answered**
Chosen Option : **1**

Q.25 **If marginal propensity to consume is denoted by c, then government expenditure multiplier can be expressed as _____.**

Ans

✗ 1. c

✓ 2. 1/1-c

✗ 3. 1/c

✗ 4. -1/c

Question ID : **264330105383**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 **Monty paid a simple interest of ₹480 on a particular sum after 2 years. The rate was 8% per annum. Find the sum.**

Ans

✗ 1. ₹2,200

✗ 2. ₹2,000

✓ 3. ₹3,000

✗ 4. ₹2,500

Question ID : **26433091554**
Status : **Answered**
Chosen Option : **3**

Q.2 **The curved surface area of a right circular cone of base radius 21 cm is 594 sq. cm. What is the slant height of the cone?**

Ans

✗ 1. 15 cm

✗ 2. 11 cm

✓ 3. 9 cm

✗ 4. 6 cm

Question ID : **26433063813**
Status : **Answered**
Chosen Option : **3**

Q.3 **If it is given that for two right angled triangles ABC and DFE, $\angle A = 25°, \angle E = 25°, \angle B = \angle F = 90°$ and AC = ED, then which one of the following is TRUE?**

Ans

✗ 1. $\Delta ABC \cong \Delta FED$

✗ 2. $\Delta ABC \cong \Delta DFE$

✓ 3. $\Delta ABC \cong \Delta EFD$

✗ 4. $\Delta ABC \cong \Delta DEF$

Question ID : **26433075961**
Status : **Answered**
Chosen Option : **3**

Q.4

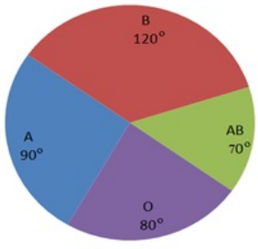
The HCF of $\frac{1}{2}, \frac{3}{4}, \frac{5}{6}$ and $\frac{7}{8}$ is:

Ans

1. $\frac{105}{2}$
2. $\frac{1}{24}$
3. $\frac{7}{24}$
4. $\frac{1}{48}$

Question ID : **26433075790**
Status : **Answered**
Chosen Option : **2**

Q.5 The following pie-chart shows the data regarding the donors of A, B, O and AB blood groups.



The ratio of the number of donors of blood group 'O' to the average of the number of donors of blood groups 'A' and 'AB' together is:

Ans

1. 2 : 3
2. 1 : 1
3. 2 : 1
4. 1 : 2

Question ID : **26433082993**
Status : **Answered**
Chosen Option : **4**

Q.6 Abha and Anuj working together completed a job in $\frac{40}{9}$ days. If Abha had worked twice as efficiently as she actually did and Anuj had worked $\frac{1}{3}$ of his actual efficiency, then the work would have been completed in $\frac{60}{17}$ days. Find the time Abha would take to complete the work alone.

Ans

1. 10 days
2. 8 days
3. 12 days
4. 6 days

Question ID : **26433080136**
Status : **Answered**
Chosen Option : **3**

Q.7 If $p-\frac{1}{p}=6$, then what is the value of $p^4+\frac{1}{p^4}$?

Ans
✗ 1. 1562
✗ 2. 1432
✓ 3. 1442
✗ 4. 1444

Question ID : **264330105946**
Status : **Answered**
Chosen Option : **3**

Q.8 In a 7-digit number 89476*2, what is the smallest possible value of * such that the number is divisible by 8?

Ans
✗ 1. 2
✗ 2. 1
✗ 3. 4
✓ 4. 3

Question ID : **26433065260**
Status : **Answered**
Chosen Option : **4**

Q.9 A megastore is offering 20% discount on all grocery items. Sakshi bought one grocery item marked at Rs.400. What is its cost price if the store earned a profit of 25% after giving the discount?

Ans
✓ 1. Rs.256
✗ 2. Rs.280
✗ 3. Rs.380
✗ 4. Rs.320

Question ID : **26433075062**
Status : **Answered**
Chosen Option : **1**

Q.10 Simplify $x^4-15x^3+15x^2-15x+40$; given $x = 14$.

Ans
✗ 1. 0
✗ 2. 40
✗ 3. 14
✓ 4. 26

Question ID : **26433091951**
Status : **Answered**
Chosen Option : **2**

Q.11 If $\Delta ABC \cong \Delta PQR$, $BC = 6\text{cm}$, and $\angle A = 75^0$, then which one of the following is true?

Ans
✗ 1. $QR = 6\text{ cm}, \angle R = 75^0$
✗ 2. $QR = 6\text{ cm}, \angle Q = 75^0$
✓ 3. $QR = 6\text{ cm}, \angle P = 75^0$
✗ 4. $PR = 6\text{ cm}, \angle P = 75^0$

Question ID : **26433063817**
Status : **Answered**
Chosen Option : **3**

Q.12 A thief running at speed of 'x' km/h is chased by a policeman running at a speed of 10 km/h. If the thief is ahead by 100 metres, the policeman catches the thief after 3 minutes. At what speed is the thief running ('x' being the unknown speed)?

Ans

✗ 1. 4 km/h

✓ 2. 8 km/h

✗ 3. 10 km/h

✗ 4. 6 km/h

Question ID : **26433075242**
Status : **Answered**
Chosen Option : **3**

Q.13 A person covers a certain distance by bus at 45 km/h and immediately returns to the starting point by car at a speed of 80 km/h. What is his average speed during the whole journey?

Ans

✓ 1. 57.6 km/h

✗ 2. 63.2 km/h

✗ 3. 73.5 km/h

✗ 4. 45.5 km/h

Question ID : **26433074454**
Status : **Answered**
Chosen Option : **1**

Q.14 The table given below shows the cost of two fruits in five different shops.

	Fruits	
Shops	A	B
P	75	140
Q	120	90
R	50	35
S	70	85
T	95	96

What is the difference between the cost of fruits A and B in all five shops together?

Ans

✗ 1. 24

✓ 2. 36

✗ 3. 20

✗ 4. 48

Question ID : **264330105749**
Status : **Answered**
Chosen Option : **2**

Q.15 If $\sin\theta = \frac{8}{17}$ where θ is an acute angle, then what is the value of $\tan\theta + \cot\theta$?

Ans

✗ 1. $\frac{217}{110}$

✗ 2. $\frac{281}{190}$

✓ 3. $\frac{289}{120}$

✗ 4. $\frac{512}{321}$

Question ID : **26433074490**
Status : **Answered**
Chosen Option : **3**

Q.16 **In a certain shop, the profit is 130% of the cost. If the cost increases by 28% and the selling price remains constant, then what is the profit percentage to the nearest whole number?**

Ans

✗ 1. 75%

✗ 2. 60%

✗ 3. 59%

✓ 4. 80%

Question ID : **26433063780**
Status : **Answered**
Chosen Option : **4**

Q.17 **The table given below shows the number of boys and girls in a school in 6 years.**

Years	Boys	Girls
A	80	70
B	60	50
C	120	100
D	100	140
E	160	40
F	90	80

What is the ratio of number of boys in year A and C together to the number of girls in year E and F together?

Ans

✗ 1. 7 : 2

✗ 2. 7 : 3

✓ 3. 5 : 3

✗ 4. 5 : 2

Question ID : **264330105712**
Status : **Answered**
Chosen Option : **3**

Q.18 If $\sin^2\theta\cos^2\theta = \frac{2}{9}$, then what will be the value of $\text{cosec}^2\,\theta + \sec^2\,\theta$?

Ans
✗ 1. 7/2
✗ 2. 5/2
✓ 3. 9/2
✗ 4. $9\sqrt{2}$

Question ID : **264330105898**
Status : **Answered**
Chosen Option : **3**

Q.19 The side of an equilateral triangle is 36 cm. What is the radius of the circle circumscribing this equilateral triangle?

Ans
✗ 1. $13\sqrt{3}$ cm
✗ 2. $10\sqrt{3}$ cm
✓ 3. $12\sqrt{3}$ cm
✗ 4. $9\sqrt{3}$ cm

Question ID : **264330105870**
Status : **Answered**
Chosen Option : **3**

Q.20 The value of $\frac{146\times146\times146-143\times143\times143}{146\times146+143\times143+146\times143}$ is:

Ans
✗ 1. 0
✓ 2. 3
✗ 3. 289
✗ 4. 1

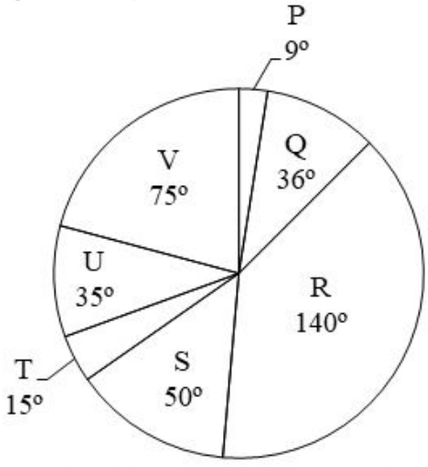
Question ID : **26433062678**
Status : **Answered**
Chosen Option : **2**

Q.21 If $2\frac{\cos^2 x-\sec^2 x}{\tan^2 x} = a + b\cos 2x$, then a, b= ?

Ans
✗ 1. $\frac{-3}{2}, \frac{-1}{2}$
✗ 2. $\frac{3}{2}, \frac{1}{2}$
✓ 3. −3, −1
✗ 4. 3, 1

Question ID : **26433061626**
Status : **Not Answered**
Chosen Option : **--**

Q.22 The pie chart given below shows the sales of 7 different companies. The total sales of all these 7 companies are 3600. The sale of a particular company is shown in terms of degree with respect to the total sales of all these 7 companies.



Which of the following statement is correct?
I. The ratio of average sale of company P and Q to the average sale of T and U is 9 : 10.
II. The difference between the total sale of company R and S and the sale of V is 1050.

Ans
✗ 1. Neither I nor II
✗ 2. Only II
✓ 3. Only I
✗ 4. Both I and II

Question ID : **264330105776**
Status : **Answered**
Chosen Option : **3**

Q.23 Three positive numbers are in the ratio of 4 : 5 : 7, and the sum of their squares is 15,210. Find the sum of the three numbers.

Ans
✗ 1. 148
✗ 2. 156
✗ 3. 126
✓ 4. 208

Question ID : **26433063785**
Status : **Answered**
Chosen Option : **4**

Q.24 The perpendicular distance between the centre of a circle and the longest chord of that circle is _____.

Ans
✗ 1. 1
✓ 2. 0
✗ 3. 2
✗ 4. π

Question ID : **26433082696**
Status : **Answered**
Chosen Option : **2**

Q.25 **During the first year, the strength of a school increased by 12%, in the second year it decreased by 12% and in the third year it increased by 10%. At the end of the third year its strength was nearly 10842. What was the strength at the beginning of the first year?**

Ans
1. 8000
2. 10000
3. 6500
4. 12000

Question ID : **26433075937**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

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

Mary was cooking the meal.

Ans
1. The meal were being cooked by Mary.
2. The meal was already being cooked by Mary.
3. Mary was about to cook the meal.
4. The meal was being cooked by Mary.

Question ID : **26433093881**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the option that can be used as a one-word substitute for the given group of words.**

Strong hostility

Ans
1. Animalistic
2. Anonymity
3. Comity
4. Animosity

Question ID : **26433070668**
Status : **Answered**
Chosen Option : **4**

Q.3 **Rearrange the parts of the sentence in correct order.**
American alligators were
P. now this species is classified as least concern
Q. list in 1967, their population increased and
R. once threatened by extinction but
S. after being placed on the endangered species

Ans
1. SQPR
2. RPQS
3. RSQP
4. PQSR

Question ID : **264330104672**
Status : **Answered**
Chosen Option : **3**

Q.4 **In the given sentence the underlined word may have been incorrectly spelt. Identify the option that rectifies the spelling. If there is no error in spelling, select 'No error'.**

The <u>ameteur</u> sculptor received an award at the international sculpting competition.

Ans
✗ 1. ameature
✗ 2. No error
✓ 3. amateur
✗ 4. ameateur

Question ID : **26433058638**
Status : **Answered**
Chosen Option : **3**

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

Ans
✗ 1. Pollen
✗ 2. Mousy
✗ 3. Quasi
✓ 4. Quever

Question ID : **26433063147**
Status : **Answered**
Chosen Option : **4**

Q.6 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

We have only just enough money to live on now, and if my husband loses his job, we'll really <u>be up again it</u>.

Ans
✗ 1. be up gone it
✗ 2. be up across it
✗ 3. be up cross it
✓ 4. be up against it

Question ID : **26433071931**
Status : **Answered**
Chosen Option : **4**

Q.7 **Select the most appropriate synonym of the underlined word.**

The foreign company is <u>chary</u> of investing in Africa.

Ans
✗ 1. Keen
✗ 2. Fervent
✗ 3. Confident
✓ 4. Cautious

Question ID : **26433070505**
Status : **Marked For Review**
Chosen Option : **3**

Q.8 **Select the most appropriate meaning of the underlined idiom.**
The new intern is a greenhorn and thus his superiors take advantage of him.

Ans
✔ 1. Inexperienced
✘ 2. Jealous
✘ 3. Overenthusiastic
✘ 4. Sick

Question ID : **26433060191**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the most appropriate adverb to fill in the blank.**

Nitha can assemble the students of her class _____.

Ans
✘ 1. perfect
✘ 2. distract
✘ 3. slow
✔ 4. quickly

Question ID : **26433089273**
Status : **Answered**
Chosen Option : **4**

Q.10 **Fill in the blank with the correct collocation.**

Of course, we agree with that measure, it is _____ sensible.

Ans
✘ 1. slightly
✘ 2. hardly
✘ 3. partially
✔ 4. perfectly

Question ID : **26433090503**
Status : **Answered**
Chosen Option : **1**

Q.11 **Select the most appropriate synonym of the given word from the following sentence.**
Encountered
Many people have been experiencing the starting of heat wave and some of them have avoided going outside their homes.

Ans
✘ 1. Outside
✘ 2. Starting
✘ 3. Avoided
✔ 4. Experiencing

Question ID : **26433072808**
Status : **Answered**
Chosen Option : **4**

Q.12 **Parts of the following sentence have been given as options. Select the option that contains a grammatical error.**

The wedding gown / looked decently / despite being / studded wit jewels.

Ans
✗ 1. The wedding gown
✗ 2. despite being
✓ 3. looked decently
✗ 4. studded with jewels.

Question ID : **26433073826**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the most appropriate ANTONYM of the underlined word.**
The soldiers were irresolute and so, they won the war for the infantry and the country.

Ans
✗ 1. harsh
✗ 2. variant
✗ 3. default
✓ 4. decisive

Question ID : **26433059733**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the most appropriate synonym of the given word.**

Anger

Ans
✗ 1. Pleasure
✓ 2. Fury
✗ 3. Comfort
✗ 4. Agony

Question ID : **26433060889**
Status : **Answered**
Chosen Option : **3**

Q.15 **Select the most appropriate option to complete the given sentence.**
She raised a _____ when she saw her luggage missing.

Ans
✓ 1. hue and cry
✗ 2. spick and span
✗ 3. hand and foot
✗ 4. whip and spur

Question ID : **26433084704**
Status : **Marked For Review**
Chosen Option : **1**

Q.16 **Select the correct direct form of the given sentence.**
The old man asked the boy where the postman was.

Ans
✗ 1. The old man says to the boy, “Where is the postman?”
✗ 2. The old man said to the boy, “Where has been the postman?”
✓ 3. The old man said to the boy, “Where is the postman?”
✗ 4. The old man said to the boy, “Where was the postman?”

Question ID : **264330104648**
Status : **Answered**
Chosen Option : **3**

Q.17 **Select the option that expresses the given sentence in passive voice.**

Sanjay rolled the marble through a small plastic pipe.

Ans

✗ 1. A small plastic pipe was rolled through a marble by Sanjay.

✓ 2. The marble was rolled through a small plastic pipe by Sanjay.

✗ 3. The marble was rolled by Sanjay in a small plastic pipe.

✗ 4. The marble through a small plastic pipe was rolled by Sanjay.

Question ID : **26433090399**
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.**

Murder of an infant

Ans

✗ 1. Foeticide

✗ 2. Feticide

✗ 3. Sacrifice

✓ 4. Infanticide

Question ID : **26433061038**
Status : **Answered**
Chosen Option : **4**

Q.19 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A.If things get out of control, competition might become totally toxic.
B.Competition is the act of participating in a contest and the strive to finish first.
C.Competition enables those who effectively deal well enough to grow and realise their skills and talents.
D.The essence of competition is placing oneself against one's contemporaries and frequently against oneself.

Ans

✗ 1. CABD

✓ 2. BDCA

✗ 3. DCAB

✗ 4. ADBC

Question ID : **26433070631**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

<u>Blind</u> by a dust storm, they fell into disorder.

Ans

✗ 1. Have been blind

✓ 2. Blinded

✗ 3. Blinding

✗ 4. Being blind

Question ID : **26433088832**
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 number.

Allegiance to one's favourite team is something that sports fans 1 _____ over a period of time. They are so attached to their favourite teams that they could display 2 _____ emotions, not just during the course of the match, but much after the actual event is over. This phenomenon, 3 _____ common across the globe, is more seen in countries like Brazil, India, the US and even the UK, where the favourite sport may not be the same in each of these nations. In spite of this craze and hysteria, sport has 4 _____ a long way. It is accepted as one of the world's most 5 _____ pastimes ever.

SubQuestion No : 21

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

Ans

✗ 1. crave

✗ 2. infer

✓ 3. develop

✗ 4. defer

Question ID : **26433073956**
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 number.

Allegiance to one's favourite team is something that sports fans 1 _____ over a period of time. They are so attached to their favourite teams that they could display 2 _____ emotions, not just during the course of the match, but much after the actual event is over. This phenomenon, 3 _____ common across the globe, is more seen in countries like Brazil, India, the US and even the UK, where the favourite sport may not be the same in each of these nations. In spite of this craze and hysteria, sport has 4 _____ a long way. It is accepted as one of the world's most 5 _____ pastimes ever.

SubQuestion No : 22

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

Ans

✗ 1. hurried

✓ 2. varied

✗ 3. dread

✗ 4. concrete

Question ID : **26433073957**
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 number.

Allegiance to one's favourite team is something that sports fans 1 _____ over a period of time. They are so attached to their favourite teams that they could display 2 _____ emotions, not just during the course of the match, but much after the actual event is over. This phenomenon, 3 _____ common across the globe, is more seen in countries like Brazil, India, the US and even the UK, where the favourite sport may not be the same in each of these nations. In spite of this craze and hysteria, sport has 4 _____ a long way. It is accepted as one of the world's most 5 _____ pastimes ever.

SubQuestion No : 23

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

Ans

✔ 1. though

✘ 2. in spite of

✘ 3. as

✘ 4. despite

Question ID : **26433073958**
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 number.

Allegiance to one's favourite team is something that sports fans 1 _____ over a period of time. They are so attached to their favourite teams that they could display 2 _____ emotions, not just during the course of the match, but much after the actual event is over. This phenomenon, 3 _____ common across the globe, is more seen in countries like Brazil, India, the US and even the UK, where the favourite sport may not be the same in each of these nations. In spite of this craze and hysteria, sport has 4 _____ a long way. It is accepted as one of the world's most 5 _____ pastimes ever.

SubQuestion No : 24

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

Ans

✘ 1. fame

✘ 2. came

✔ 3. come

✘ 4. game

Question ID : **26433073959**
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 number.

Allegiance to one's favourite team is something that sports fans 1 _____ over a period of time. They are so attached to their favourite teams that they could display 2 _____ emotions, not just during the course of the match, but much after the actual event is over. This phenomenon, 3 _____ common across the globe, is more seen in countries like Brazil, India, the US and even the UK, where the favourite sport may not be the same in each of these nations. In spite of this craze and hysteria, sport has 4 _____ a long way. It is accepted as one of the world's most 5 _____ pastimes ever.

SubQuestion No : 25

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

Ans

✔ 1. entertaining

✘ 2. tiresome

✘ 3. inhibited

✘ 4. detrimental

Question ID : **26433073960**
Status : **Answered**
Chosen Option : **1**