

Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Chitoura Road
Exam Date	02/12/2022
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2022

Section : General Intelligence and Reasoning

Q.1 Which letter cluster will replace the question mark (?) to complete the given series?
abCD, fgHI, ?, stUV, abCD

- Ans
- ☒ 1. kIMO
 - ☒ 2. lmNO
 - ☒ 3. mnOP
 - ☒ 4. lnMO

Question ID : 26433059851
Status : Answered
Chosen Option : 2

Q.2 Which of the following numbers will replace the question mark (?) in the given series?
2, 4, 10, 28, ?, 244

- Ans
- ☒ 1. 94
 - ☒ 2. 90
 - ☒ 3. 88
 - ☒ 4. 82

Question ID : 26433068333
Status : Answered
Chosen Option : 4

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(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)
(4, 13, 5)
(3, 12, 6)

- Ans
- ☒ 1. (4, 10, 3)
 - ☒ 2. (7, 16, 3)
 - ☒ 3. (5, 17, 6)
 - ☒ 4. (5, 17, 7)

Question ID : 26433070230
Status : Answered
Chosen Option : 4

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Q.4 A # B means 'A is the sister of B'.
A @ B means 'A is the son of B'.
A & B means 'A is the father of B'.
A % B means 'A is the mother of B'.
If W @ Q % T & Y @ M % K, then how is Q related to K?

- Ans ☒ 1. Daughter
☒ 2. Father's mother
☒ 3. Mother
☒ 4. Mother's mother

Question ID : 26433068149
Status : Answered
Chosen Option : 2

Q.5 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:

Some fingers are toes.

Some toes are rings.

Some rings are hands.

Conclusions:

I. Some hands are toes.

II. Some rings are fingers.

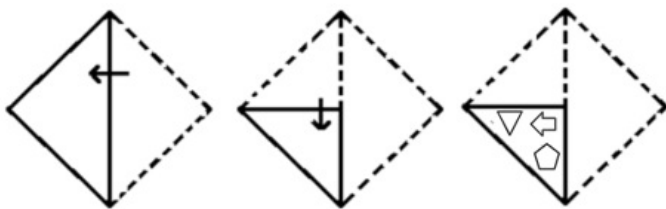
III. Some hands are fingers.

IV. Some fingers are rings.

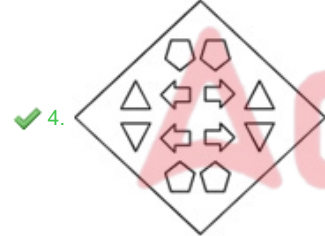
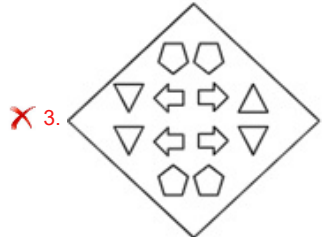
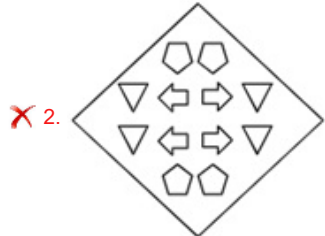
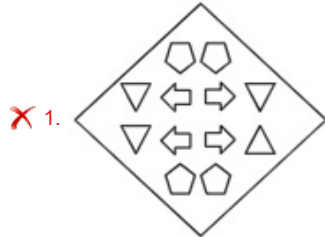
- Ans ☒ 1. None of the conclusions follow
☒ 2. Only conclusions III and IV follow
☒ 3. Only conclusions II and III follow
☒ 4. Only conclusions I and II follow

Question ID : 26433068561
Status : Answered
Chosen Option : 1

Q.6 A paper is folded and cut as shown below. How will it appear when unfolded?

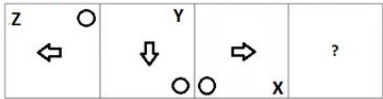


Ans



Question ID : 26433080558
Status : Answered
Chosen Option : 4

Q.7 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 : 26433057861
Status : Answered
Chosen Option : 4

Q.8 By interchanging the given two signs which of the following equation will be not correct?
+ and -

- Ans
- ✗ 1.

$8 \div 4 \times 6 + 5 - 9 = 16$
- ✗ 2.

$15 + 3 \times 4 - 6 \div 2 = 6$
- ✓ 3.

$3 \times 2 - 72 \div 6 + 8 = 18$
- ✗ 4.

$3 + 4 - 2 \times 5 \div 1 = 9$

Question ID : 264330105124
Status : Answered
Chosen Option : 1

Q.9 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
HERO : JGPM :: FLOW : HNMU :: DIAL : ?

- Ans
- ✗ 1.

KYFJ
- ✗ 2.

JFYK
- ✗ 3.

FLIJ
- ✓ 4.

FKYJ

Question ID : 26433069019
Status : Answered
Chosen Option : 4

Q.10 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
ABCD, HGLO, OLUZ, VQDK, ?

- Ans
- ☒ 1. RTQV
 - ☒ 2. CYQR
 - ☒ 3. CMVQ
 - ☒ 4. CVMV

Question ID : 264330104831
Status : Answered
Chosen Option : 4

Q.11 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 A are D.
- II. No D is E.

Conclusions:

- I. No E is A.
- II. All D are A.
- III. All E are D.

- Ans
- ☒ 1. Only conclusion I follows
 - ☒ 2. Only conclusion III follows
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Neither conclusion follows

Question ID : 264330104945
Status : Answered
Chosen Option : 1

Q.12 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.)

(4, 25, 6)
(8, 25, 3)

- Ans
- ☒ 1. (3, 81, 6)
 - ☒ 2. (7, 22, 3)
 - ☒ 3. (12, 96, 8)
 - ☒ 4. (14, 55, 4)

Question ID : 26433069240
Status : Answered
Chosen Option : 2

Q.13 By interchanging the given two signs and numbers which of the following equation will be correct?
× and ÷, 7 and 9

- Ans
- ☒ 1. $9 - 7 \times 2 + 6 \div 3 = 11$
 - ☒ 2. $9 + 4 \times 3 - 7 \div 1 = 40$
 - ☒ 3. $8 \times 3 \div 6 + 9 - 7 = 14$
 - ☒ 4. $9 \times 3 + 4 \div 2 - 7 = 18$

Question ID : 264330105137
Status : Answered
Chosen Option : 3

Q.14 Select the odd group of numbers. (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. (600 – 300 – 150)
 - ☒ 2. (400 – 200 – 50)
 - ☒ 3. (1000 – 500 – 250)
 - ☒ 4. (200 – 100 – 50)

Question ID : 264330105076

Status : Answered

Chosen Option : 2

Q.15 If A – B means that A is the mother of B, A + B means that A is the father of B, A ÷ B means that A is the sister of B, then which of the following expression shows that P is the aunt of Q?

- Ans
- ☒ 1. P + R ÷ Q
 - ☒ 2. P ÷ R + Q
 - ☒ 3. P ÷ R – Q
 - ☒ 4. R ÷ P – Q

Question ID : 264330104962

Status : Not Answered

Chosen Option : --

Q.16 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है।
(शब्दों को अर्थपूर्ण अंग्रेजी/हिंदी शब्दों के रूप में माना जाना चाहिए और इन्हें शब्द में अक्षरों की संख्या / व्यंजनों की संख्या / स्वरों की संख्या के आधार पर एक दूसरे से संबद्ध नहीं किया जाना चाहिए।)
पांडा : बांस :: कोआला : ?

- Ans
- ☒ 1. छाल
 - ☒ 2. घास
 - ☒ 3. यूकेलिप्टस
 - ☒ 4. मछली

Question ID : 26433056816

Status : Not Answered

Chosen Option : --

Q.17 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 : 26433080519
Status : Answered
Chosen Option : 3

Q.18 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

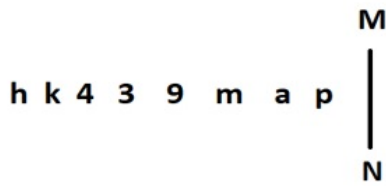


Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question ID : 26433068908
Status : Answered
Chosen Option : 1

Q.19 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



Ans

- ✗ 1. d a w 6 ε t k y
- ✓ 2. q 6 m e ε t k d
- ✗ 3. b 6 m e 3 t k d
- ✗ 4. b 9 m e ε t k d

Question ID : 26433070253

Status : Answered

Chosen Option : 2

Q.20 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
10 : 45 :: 6 : 25 :: 9 : ?

Ans

- ✗ 1. 38
- ✗ 2. 36
- ✗ 3. 42
- ✓ 4. 40

Question ID : 26433067655

Status : Answered

Chosen Option : 4

Q.21 In a certain code language, 'NUMERICAL' is written as 'ICALRNUME' and 'SCATTERED' is written as 'EREDTSCAT'. How will 'EXPLOSION' be written in that language?

Ans

- ✗ 1. SIONOXEPL
- ✓ 2. SIONOEXPL
- ✗ 3. SIONOXELP
- ✗ 4. SIONOEXLP

Question ID : 26433059892

Status : Answered

Chosen Option : 2

Q.22 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

Ans

- ✗ 1. WDLF
- ✗ 2. YBXR
- ✗ 3. PKSM
- ✓ 4. IRMT

Question ID : 26433081499

Status : Answered

Chosen Option : 4

Q.23 In a certain code language, 'BYE' is coded as '245' and 'OLA' is coded as '265'. How will 'CAR' be coded in that language?

- Ans
- ☐ 1. 280
 - ☐ 2. 285
 - ☒ 3. 295
 - ☐ 4. 300

Question ID : 26433067331
Status : Not Answered
Chosen Option : --

Q.24 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
 $65 * 45 * 25 * 5 * 35 * 60$

- Ans
- ☐ 1. -, +, -, +, =
 - ☐ 2. +, x, +, -, =
 - ☐ 3. +, -, +, -, =
 - ☒ 4. -, +, ÷, +, =

Question ID : 26433068682
Status : Answered
Chosen Option : 4

Q.25 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1- Laudanum
- 2- Lattice
- 3- Laudation
- 4- Latterly
- 5- Laudable

- Ans
- ☐ 1. 2, 4, 5, 3, 1
 - ☐ 2. 2, 4, 1, 5, 3
 - ☐ 3. 4, 2, 3, 1, 5
 - ☒ 4. 4, 2, 5, 1, 3

Question ID : 26433079447
Status : Answered
Chosen Option : 4

Section : General Awareness

Q.1 The Comptroller and Auditor General of India is a:

- Ans
- ☐ 1. two-member body
 - ☐ 2. three-member body
 - ☒ 3. single-member body
 - ☐ 4. six-member body

Question ID : 26433069852
Status : Answered
Chosen Option : 3

Q.2 Which of the following led English company in Battle of Plassey (1757)?

- Ans
- ☒ 1. Lord Dalhousie
 - ☒ 2. Captain Hodson
 - ☒ 3. Warren Hastings
 - ☒ 4. Robert Clive

Question ID : 264330105557
Status : Answered
Chosen Option : 4

Q.3 As the river enters the plain it twists and turns forming large bends known as ____.

- Ans
- ☒ 1. ox-bow
 - ☒ 2. levees
 - ☒ 3. floodplains
 - ☒ 4. meanders

Question ID : 264330105634
Status : Answered
Chosen Option : 4

Q.4 What does the letter 'M' stand for in the MRTP Act 1969?

- Ans
- ☒ 1. Monopolistic
 - ☒ 2. Monopolies
 - ☒ 3. Multi
 - ☒ 4. Monopoly

Question ID : 26433066620
Status : Answered
Chosen Option : 1

Q.5 Harihara and Bukka established an independent state in Karnataka and established the capital city Vijayanagar on the banks of river _____ in 1336.

- Ans
- ☒ 1. Betwa
 - ☒ 2. Tungabhadra
 - ☒ 3. Mahanadi
 - ☒ 4. Tapi

Question ID : 26433091459
Status : Not Answered
Chosen Option : --

Q.6 Match the industrial plant with its location.

Name of industrial Plant	Related Location
1. BALCO	A) Burnpur
2. IISCO	B) Chennai
3. NFL	C) Korba
4. ICF	D) Bhatinda

- Ans
- ☒ 1. 1-A,2-B,3-C,4-D
 - ☒ 2. 1-C,2-A,3-B,4-D
 - ☒ 3. 1-C,2-A,3-D,4-B
 - ☒ 4. 1-D,2-A,3-B,4-C

Question ID : 26433089218
Status : Not Answered
Chosen Option : --

Q.7 Identify the correct chemical formula of chloroform.

- Ans
- ☒ 1. CHCl_3
 - ☒ 2. CHCl
 - ☒ 3. CHCl_2
 - ☒ 4. CH_2Cl_2

Question ID : 26433086739
Status : Answered
Chosen Option : 3

Q.8 How much percentage of oxygen is present in the atmosphere?

- Ans
- ☒ 1. 39%
 - ☒ 2. 79%
 - ☒ 3. 10%
 - ☒ 4. 21%

Question ID : 26433086615
Status : Answered
Chosen Option : 4

Q.9 In which season is Sarhul celebrated in Jharkhand?

- Ans
- ☒ 1. Spring
 - ☒ 2. Autumn
 - ☒ 3. Monsoon
 - ☒ 4. Winter

Question ID : 26433070812
Status : Not Answered
Chosen Option : --

Q.10 What is the average thickness of the continental crust of earth?

- Ans
- ☐ 1. 300 km
 - ☐ 2. 5 km
 - ☒ 3. 30 km
 - ☐ 4. 2.5 km

Question ID : 26433064460
Status : Not Answered
Chosen Option : --

Q.11 Which of the following events was conducted by the Ministry of Ayush, Gol to mark the 100-day countdown to the International Day of Yoga 2022?

- Ans
- ☒ 1. Yoga Mahotsav
 - ☐ 2. Yoga Utsav
 - ☐ 3. Yoga Sutra
 - ☐ 4. Yoga Umang

Question ID : 26433059380
Status : Not Answered
Chosen Option : --

Q.12 Who moved the Objective Resolution that was later adapted as the Preamble of the Constitution of India?

- Ans
- ☐ 1. Rajendra Prasad
 - ☐ 2. JB Kripalani
 - ☒ 3. Jawaharlal Nehru
 - ☐ 4. BR Ambedkar

Question ID : 26433074840
Status : Answered
Chosen Option : 3

Q.13 Which of the following pairs of musicians and their instruments is INCORRECT?

- Ans
- ☒ 1. K Vaidyanathan – Sitar
 - ☐ 2. Pt. Ram Narayan – Sarangi
 - ☐ 3. Ustad Vilayat Khan – Sitar
 - ☐ 4. Bismillah Khan – Shehnai

Question ID : 26433064779
Status : Not Answered
Chosen Option : --

Q.14 Which of the following becomes the first district in India to cover 100% households under ABPMJAY- SEHAT scheme?

- Ans
- ☒ 1. Samba, Jammu and Kashmir
 - ☐ 2. Pratapgarh, Rajasthan
 - ☐ 3. Kheda, Gujarat
 - ☐ 4. Mansa, Punjab

Question ID : 264330105302
Status : Not Answered
Chosen Option : --

Q.15 In India census is held regularly every _____ year.

- Ans
- ☒ 1. 8th
 - ☒ 2. 10th
 - ☒ 3. 12th
 - ☒ 4. 5th

Question ID : 264330105492
Status : Answered
Chosen Option : 2

Q.16 Who among the following launched the Scheme "SHRESHTA" for residential education for students in High school in Targeted Areas?

- Ans
- ☒ 1. Virendra Kumar
 - ☒ 2. Piyush Goel
 - ☒ 3. Vijay Goel
 - ☒ 4. P P Chaudhary

Question ID : 264330105306
Status : Not Answered
Chosen Option : --

Q.17 Which of the following dance forms is associated with the state of Arunachal Pradesh?

- Ans
- ☒ 1. Panwariya
 - ☒ 2. Dhaman
 - ☒ 3. Buiya
 - ☒ 4. Garba

Question ID : 26433054323
Status : Not Answered
Chosen Option : --

Q.18 The Commonwealth Games 2018 were held at which of the following places?

- Ans
- ☒ 1. Gold coast
 - ☒ 2. Edinburgh
 - ☒ 3. Victoria
 - ☒ 4. Kuala Lumpur

Question ID : 26433070834
Status : Not Answered
Chosen Option : --

Q.19 Identify the organism that is NOT a pseudocoelomate.

- Ans
- ☒ 1. Ancylostoma
 - ☒ 2. Ascaris
 - ☒ 3. Wuchereria
 - ☒ 4. Scorpions

Question ID : 26433091481
Status : Not Answered
Chosen Option : --

Q.20 Plan revenue expenditure relates to _____.
I. Five-year plans
II. Salaries and pensions

- Ans ☒ 1. Only I
☒ 2. Neither I nor II
☒ 3. Both I and II
☒ 4. Only II

Question ID : 264330105388
Status : Answered
Chosen Option : 3

Q.21 The word Manuscripts derived from which of the following language?

- Ans ☒ 1. Latin
☒ 2. Prakrit
☒ 3. Sanskrit
☒ 4. Greek

Question ID : 264330105161
Status : Answered
Chosen Option : 3

Q.22 The Appropriation bill, 2022 was passed in Lok Sabha on _____.

- Ans ☒ 1. March 24, 2022
☒ 2. February 20, 2022
☒ 3. April 20, 2022
☒ 4. May 10, 2022

Question ID : 264330105292
Status : Answered
Chosen Option : 2

Q.23 What kind of forces arise from transient dipoles in atoms that induce transient dipoles in nearby atoms, produce an attractive force and are significant only over short distances (~500 pm)?

- Ans ☒ 1. Dipole-dipole forces
☒ 2. London dispersion forces
☒ 3. Dipole-induced dipole forces
☒ 4. Hydrogen bond

Question ID : 26433064083
Status : Answered
Chosen Option : 3

Q.24 Which of the following combinations of 'Ruler – Predecessor' is correct with respect to the Delhi Sultanate?

- Ans ☒ 1. Alauddin Khalji – Jalaluddin Khalji
☒ 2. Jalaluddin Khalji – Alauddin Khalji
☒ 3. Muhammad Tughluq – Firuz Shah Tughluq
☒ 4. Ghiyasuddin Tughluq – Muhammad Tughluq

Question ID : 264330105423
Status : Answered
Chosen Option : 1

Q.25 For how many days is the Hornbill festival held?

- Ans ☒ 1.5
☒ 2.10
☒ 3.15
☒ 4.20

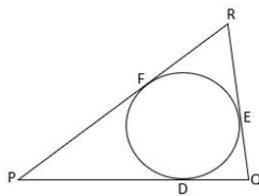
Question ID : 26433074080

Status : Answered

Chosen Option : 1

Section : Quantitative Aptitude

Q.1 In the given figure, a circle is inscribed in ΔPQR , such that it touches the sides PQ, QR and RP at points D, E, F, respectively. If the lengths of the sides PQ=15 cm, QR=11 cm and RP=13 cm, then find the length of PD.



- Ans ☒ 1.9 cm
☒ 2.8 cm
☒ 3.7.5 cm
☒ 4.8.5 cm

Question ID : 26433074488

Status : Answered

Chosen Option : 4

Q.2 If $\cot x - \tan x = 3/2$, then what will be the value of $\cot x + \tan x$?

- Ans ☒ 1.3
☒ 2.2
☒ 3.5/2
☒ 4.7/2

Question ID : 264330105891

Status : Answered

Chosen Option : 3

Q.3 The table given below shows the production of beauty products by five different companies.

Companies	Production
P	80
Q	120
R	84
S	50
T	70

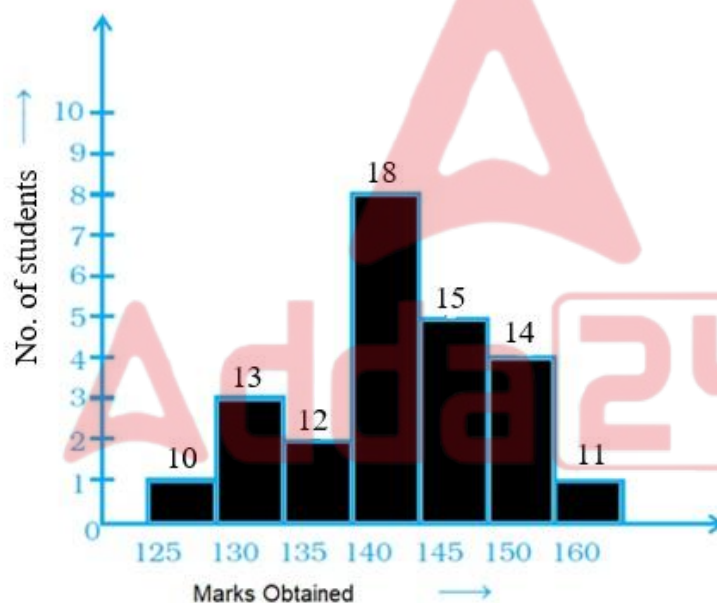
The production of beauty product by T is what percent of the production of beauty product by S?

- Ans
- ☐ 1. 40 percent
 - ☒ 2. 140 percent
 - ☐ 3. 240 percent
 - ☐ 4. 120 percent

Question ID : 264330105732
Status : Answered
Chosen Option : 2

Q.4

Observe the given graph and answer the following question.



How many students obtained more than 135 marks?

- Ans
- ☐ 1. 56
 - ☐ 2. 55
 - ☐ 3. 57
 - ☒ 4. 58

Question ID : 26433091996
Status : Answered
Chosen Option : 4

Q.5 A sum of Rs.6,000 is to be paid back in two equal annual instalments; each instalment is to be paid at the end of every year. How much is each instalment if the interest is compounded annually at 2% p.a.? (Rounded off up to two decimal places)

- Ans ☒ 1. Rs.2,092.29
☒ 2. Rs.3,090.30
☒ 3. Rs.2,291.29
☒ 4. Rs.3,589.30

Question ID : 26433082978
Status : Answered
Chosen Option : 2

Q.6 A pen was sold for Rs.166.44 with a profit of 14%. If it were sold for Rs.154.76, then what would have been the percentage of profit or loss?

- Ans ☒ 1. 5% loss
☒ 2. 6% profit
☒ 3. 5% profit
☒ 4. 6% loss

Question ID : 26433063690
Status : Answered
Chosen Option : 2

Q.7 If $x = \frac{\sqrt{5} - 2}{\sqrt{5} + 2}$, then the value of $x^2 + x^{-2}$ is:

- Ans ☒ 1. 350
☒ 2. 345
☒ 3. 284
☒ 4. 322

Question ID : 26433081626
Status : Answered
Chosen Option : 4

Q.8 The table given below shows the number of pencils sold by 7 shops.

Shops	Pencils
S1	54
S2	68
S3	70
S4	120
S5	84
S6	130
S7	36

What is the ratio of number of pencils sold by S3 to the number of pencils sold by S6?

- Ans ☒ 1. 8 : 15
☒ 2. 13 : 7
☒ 3. 15 : 7
☒ 4. 7 : 13

Question ID : 264330105704
Status : Answered
Chosen Option : 4

Q.9

If $x > 0$, and $x^4 + \frac{1}{x^4} = 2207$, what is the value of $x^7 + \frac{1}{x^7}$?

Ans ☒ 1. 710649

☒ 2. 710647

☒ 3. 710654

☒ 4. 710661

Question ID : 26433075307

Status : Answered

Chosen Option : 3

Q.10 Which of the following two will provide more volume?

I) A cuboid of edges 6 cm, 7 cm and 8 cm

II) A cube of edge 7 cm

Ans ☒ 1. Cube will have more volume

☒ 2. Both will have equal volume

☒ 3. Cuboid will have more volume

☒ 4. Cannot be determined

Question ID : 26433082693

Status : Answered

Chosen Option : 1

Q.11 What is the single percentage discount equivalent to two successive discounts of 15% and 5%?

Ans ☒ 1. 19.00%

☒ 2. 19.25%

☒ 3. 18.00%

☒ 4. 18.25%

Question ID : 26433075549

Status : Answered

Chosen Option : 2

Q.12 Simplify $x + 3(y + x - 2) - (x + y)$.

Ans ☒ 1. $x + 2y - 6$

☒ 2. $2x + y - 6$

☒ 3. $2x + 3y - 6$

☒ 4. $3x + 2y - 6$

Question ID : 26433075783

Status : Answered

Chosen Option : 4

Q.13 A thief is noticed by a policeman from a distance of 97 m. The thief starts running and the policeman chases him. The thief and the policeman run at a speed of 21 m/sec and 23 m/sec respectively. What is the time taken by the policeman to catch the thief?

- Ans
- ☒ 1. 40 sec
 - ☒ 2. 45 sec
 - ☒ 3. 62.5 sec
 - ☒ 4. 48.5 sec

Question ID : 26433079888
Status : Answered
Chosen Option : 4

Q.14 If $\sec^2 A + \tan^2 A = \frac{4}{17}$, then $\sec^4 A - \tan^4 A$ is equal to:

- Ans
- ☒ 1. $\frac{13}{17}$
 - ☒ 2. $\frac{4}{13}$
 - ☒ 3. $\frac{4}{17}$
 - ☒ 4. $\frac{5}{17}$

Question ID : 26433061107
Status : Answered
Chosen Option : 3

Q.15 If $\sin(A + B) = \cos(A + B)$, what is the value of $\tan A$?

- Ans
- ☒ 1. $\frac{1 - \tan B}{1 + \tan B}$
 - ☒ 2. $\frac{1 + \tan B}{1 - \tan B}$
 - ☒ 3. $\frac{1 + \sec B}{1 - \sec B}$
 - ☒ 4. $\frac{1 - \operatorname{cosec} B}{1 + \operatorname{cosec} B}$

Question ID : 26433071289
Status : Answered
Chosen Option : 1

Q.16 If the diameter of a sphere is 63 cm, then what is the total surface area of the sphere?

- Ans
- ☒ 1. 11824 cm²
 - ☒ 2. 12836 cm²
 - ☒ 3. 12474 cm²
 - ☒ 4. 11248 cm²

Question ID : 264330105844
Status : Answered
Chosen Option : 3

Q.17 A circular clock has the hour hand of length 6 inch. Find the length of the distance it covers by it's tip from 9 p.m. to 3 a.m.

- Ans
- ☒ 1. 4π inch
 - ☒ 2. 2π inch
 - ☒ 3. 6π inch
 - ☒ 4. 8π inch

Question ID : 26433080252
Status : Answered
Chosen Option : 3

Q.18 In the election, 8% of the voters did not cast their votes. Two candidates contested the election in which the winning candidate got 48% of the total votes and won election by 1100 votes. Find the total number of voters in the election, given that all the votes cast were valid?

- Ans
- ☒ 1. 25500
 - ☒ 2. 26500
 - ☒ 3. 27500
 - ☒ 4. 28500

Question ID : 26433075140
Status : Answered
Chosen Option : 3

Q.19 A mixture of milk and water measures 60 litres. It contains 10% water. How much water should be added to it, so that the water may be 25%?

- Ans
- ☒ 1. 18 litres
 - ☒ 2. 14 litres
 - ☒ 3. 16 litres
 - ☒ 4. 12 litres

Question ID : 26433063849
Status : Answered
Chosen Option : 4

Q.20 If 6 women can complete a work in 3 days, and 9 girls can complete the same work in 2 days, then find the time taken to complete the same work by 8 women and 6 girls?

- Ans
- ☒ 1. 3 days
 - ☒ 2. 4 days
 - ☒ 3. 6 days
 - ☒ 4. $\frac{9}{7}$ days

Question ID : 26433075351
Status : Answered
Chosen Option : 4

Q.21 A hemispherical bowl made of iron has inner diameter 84 cm. Find the cost of tin plating it on the inside at the rate of

₹21 per 100 cm^2 (take $\pi = \frac{22}{7}$) correct to two places of decimal.

- Ans
- ☒ 1. ₹2,328.48
 - ☒ 2. ₹2,425.48
 - ☒ 3. ₹2,425.60
 - ☒ 4. ₹2,355.48

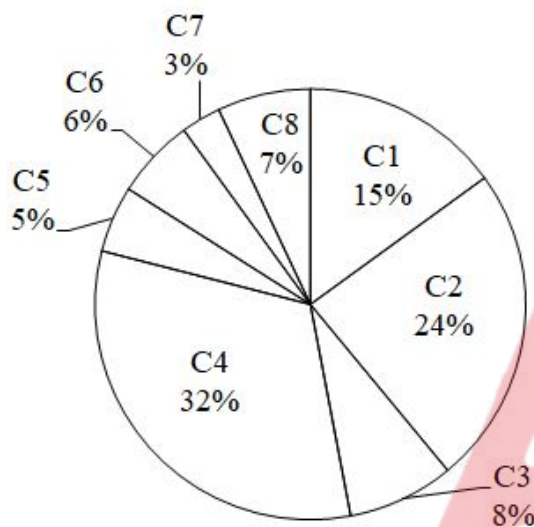
Question ID : 26433065020
Status : Answered
Chosen Option : 1

Q.22 By mistake, instead of dividing ₹702 among Ram, Ramesh, and Naresh in the ratio $\frac{1}{3} : \frac{1}{4} : \frac{1}{6}$, it was divided in the ratio of 3 : 4 : 6. Who gained the most and by how much?

- Ans**
- ☒ 1. Ram ₹158
 - ☒ 2. Ramesh ₹158
 - ☒ 3. Naresh ₹168
 - ☒ 4. Ram ₹168

Question ID : 26433064982
Status : Answered
Chosen Option : 3

Q.23 The pie chart given below shows the population of 8 cities in a year. Total population of all the 8 cities is 30,000. Population in a particular city is shown as a percent of total population in all these 8 cities.



What is the average population (approximately) of cities C3, C5 and C7?

- Ans**
- ☒ 1. 1200
 - ☒ 2. 1800
 - ☒ 3. 1600
 - ☒ 4. 2000

Question ID : 264330105764
Status : Answered
Chosen Option : 3

Q.24 What is the largest common divisor of the numbers 1026, 2268 and 2430?

- Ans**
- ☒ 1. 108
 - ☒ 2. 54
 - ☒ 3. 81
 - ☒ 4. 27

Question ID : 26433080258
Status : Answered
Chosen Option : 2

Q.25 If the 4-digit number $x67y$ is exactly divisible by 9, then the least value of $(x + y)$ is

- Ans
- ☒ 1. 9
 - ☒ 2. 0
 - ☒ 3. 5
 - ☒ 4. 3

Question ID : 26433066352
Status : Answered
Chosen Option : 3

Section : English Comprehension

Q.1 Select the option that can be used as a one-word substitute for the given group of words.

Plants of a particular region

- Ans
- ☒ 1. Flora
 - ☒ 2. Flinch
 - ☒ 3. Fauna
 - ☒ 4. Flotsam

Question ID : 26433070709
Status : Answered
Chosen Option : 1

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence.

Abu said that he saw the picture.

- Ans
- ☒ 1. he has seen the picture
 - ☒ 2. he will have seen the picture
 - ☒ 3. he would have seen the picture
 - ☒ 4. he had seen the picture

Question ID : 26433097545
Status : Answered
Chosen Option : 4

Q.3 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Texture
 - ☒ 2. Slege
 - ☒ 3. Savoury
 - ☒ 4. Tamper

Question ID : 26433063141
Status : Answered
Chosen Option : 2

Q.4 Select the appropriate adverb for the underlined word in the sentence.

He led me to the room that had obvious been built later than the rest of the house.

- Ans
- ☒ 1. oblivously
 - ☒ 2. obliviousness
 - ☒ 3. obviousness
 - ☒ 4. obviously

Question ID : 26433094770
Status : Answered
Chosen Option : 1

Q.5 Select the option that can be used as a one-word substitute for the given group of words.

A shortened version of a larger work

- Ans
- ☒ 1. Summary
 - ☒ 2. Précis
 - ☒ 3. Shorts
 - ☒ 4. Abridgement

Question ID : 26433071926
Status : Answered
Chosen Option : 4

Q.6 Complete the following collocation.

I was running late so I only had time for a _____ shower.

- Ans
- ☒ 1. quick
 - ☒ 2. hasty
 - ☒ 3. fast
 - ☒ 4. short

Question ID : 26433073928
Status : Answered
Chosen Option : 1

Q.7 Select the correct active form of the given sentence.
Her phone can't be switched off by my father.

- Ans
- ☒ 1. My father switches off her phone.
 - ☒ 2. My father could not switch off her phone.
 - ☒ 3. My father have not switched off her phone.
 - ☒ 4. My father can't switch off her phone.

Question ID : 264330104597
Status : Answered
Chosen Option : 4

Q.8 Select the correct direct form of the given sentence.
Shyam asked me how I had persuaded his sister.

- Ans
- ☒ 1. "How are you persuading my sister?" Shyam asked me.
 - ☒ 2. "How did you persuaded my sister?" Shyam asked me.
 - ☒ 3. "How did you persuade my sister?" Shyam asked me.
 - ☒ 4. "How have you persuade my sister?" Shyam asks me.

Question ID : 264330104625
Status : Answered
Chosen Option : 3

Q.9 Select the most appropriate option to fill in the blank.

The interviewees were slowly becoming impatient as they were left to _____ in the waiting room for hours.

- Ans
- ☒ 1. draw the long bow
 - ☒ 2. cool their heels
 - ☒ 3. hold water
 - ☒ 4. flog a dead horse

Question ID : 26433070550
Status : Answered
Chosen Option : 2

Q.10 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
One can never imagine / how hot it gets in Delhi / unless one doesn't go / there in person.

- Ans
- ☒ 1. One can never imagine
 - ☒ 2. unless one doesn't go
 - ☒ 3. how hot it gets in Delhi
 - ☒ 4. there in person.

Question ID : 26433086304
Status : Answered
Chosen Option : 2

Q.11 Select the most appropriate ANTONYM of the word 'MOBILE' from the given sentence.

The strange TV reporter standing over there covers all the funny and interesting things happening inside the town.

- Ans
- ☒ 1. Standing
 - ☒ 2. Interesting
 - ☒ 3. Inside
 - ☒ 4. Strange

Question ID : 26433060701
Status : Answered
Chosen Option : 1

Q.12 Select the most appropriate synonym of the given word.

Exaltation

- Ans ☒ 1. Dejection
☒ 2. Ecstasy
☒ 3. Satisfaction
☒ 4. Elaboration

Question ID : 26433071773
 Status : Answered
 Chosen Option : 2

Q.13 The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P. Main source of water for Wular Lake is River Jhelum.

Q. Wular Lake is also said to be a remnant of Satisar Lake that existed in ancient times.

R. This lake also has a small island in its centre called the 'Zaina Lank'.

S. This island was constructed by King Zainul-Abi-Din.

- Ans ☒ 1. RPQS
☒ 2. PQRS
☒ 3. QSRP
☒ 4. PRSQ

Question ID : 264330104712
 Status : Answered
 Chosen Option : 2

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

- Ans ☒ 1. Embody
☒ 2. Resist
☒ 3. Encourage
☒ 4. Elective

Question ID : 26433059717
 Status : Answered
 Chosen Option : 3

Q.15 Select the most appropriate ANTONYM of the underlined word.

Technology plays an indispensable role in the lives of human beings in the 21st century.

- Ans ☒ 1. Superfluous
☒ 2. Relentless
☒ 3. Vigilant
☒ 4. Unprecedented

Question ID : 26433070522
 Status : Answered
 Chosen Option : 1

Q.16 A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
When there are negative and toxic thoughts _____ your mind, you can never think positively.

- Ans
- ☒ 1. plotting
 - ☒ 2. shouting
 - ☒ 3. clouding
 - ☒ 4. persuading

Question ID : 264330104770
Status : Answered
Chosen Option : 4

Q.17 Select the most appropriate meaning of the given idiom.

Break the ice

- Ans
- ☒ 1. Make people meeting first time feel uncomfortable
 - ☒ 2. Make people meeting first time feel sad
 - ☒ 3. Make people meeting first time feel more detached
 - ☒ 4. Make people meeting first time feel more comfortable

Question ID : 26433070650
Status : Marked For Review
Chosen Option : 1

Q.18 Select the option that expresses the given sentence in active voice.

The wounded man was being helped by a few men.

- Ans
- ☒ 1. The wounded man had been helped by a few men.
 - ☒ 2. A few men were helping the wounded man.
 - ☒ 3. The wounded man was helping a few men.
 - ☒ 4. A few men are helping the wounded man.

Question ID : 26433093460
Status : Answered
Chosen Option : 2

Q.19 Choose the incorrectly spelt word.

- Ans
- ☒ 1. Benign
 - ☒ 2. Mortifeid
 - ☒ 3. Insecurities
 - ☒ 4. Dismay

Question ID : 264330104739
Status : Answered
Chosen Option : 2

Q.20 Rearrange the parts of the sentence in correct order.
The continued
P. the growing sales of sneakers
Q. dominance of the athleisure trend
R. along with the pursuit of comfort
S. has had a significant impact on

- Ans
- ☒ 1. PSRQ
 - ☒ 2. RPSQ
 - ☒ 3. QRPS
 - ☒ 4. QSPR

Question ID : 264330104655
Status : Answered
Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

All drivers are affected by road rage, whether they are directly or indirectly (1)_____. Individual coping qualities (2)_____ the behaviour of stressful drivers. Instead of being enraged over circumstances beyond their control, drivers (3)_____ learn to be patient. On the road, we must be (4)_____ to control our own emotions. Road raged drivers are also more likely to (5)_____ more traffic offences.

SubQuestion No : 21

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

- Ans
- ☒ 1. involves
 - ☒ 2. involving
 - ☒ 3. involved
 - ☒ 4. involve

Question ID : 26433084781
Status : Answered
Chosen Option : 3

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

All drivers are affected by road rage, whether they are directly or indirectly (1)_____. Individual coping qualities (2)_____ the behaviour of stressful drivers. Instead of being enraged over circumstances beyond their control, drivers (3)_____ learn to be patient. On the road, we must be (4)_____ to control our own emotions. Road raged drivers are also more likely to (5)_____ more traffic offences.

SubQuestion No : 22

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

- Ans
- ☒ 1. influence
 - ☒ 2. apply
 - ☒ 3. increases
 - ☒ 4. multiply

Question ID : 26433084782
Status : Answered
Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

All drivers are affected by road rage, whether they are directly or indirectly (1) _____. Individual coping qualities (2) _____ the behaviour of stressful drivers. Instead of being enraged over circumstances beyond their control, drivers (3) _____ learn to be patient. On the road, we must be (4) _____ to control our own emotions. Road raged drivers are also more likely to (5) _____ more traffic offences.

SubQuestion No : 23

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

- Ans ☒ 1. must
☒ 2. can
☒ 3. ought
☒ 4. to

Question ID : 26433084783

Status : Answered

Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

All drivers are affected by road rage, whether they are directly or indirectly (1) _____. Individual coping qualities (2) _____ the behaviour of stressful drivers. Instead of being enraged over circumstances beyond their control, drivers (3) _____ learn to be patient. On the road, we must be (4) _____ to control our own emotions. Road raged drivers are also more likely to (5) _____ more traffic offences.

SubQuestion No : 24

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

- Ans ☒ 1. brave
☒ 2. consistent
☒ 3. able
☒ 4. oblige

Question ID : 26433084784

Status : Answered

Chosen Option : 3

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

All drivers are affected by road rage, whether they are directly or indirectly (1) _____. Individual coping qualities (2) _____ the behaviour of stressful drivers. Instead of being enraged over circumstances beyond their control, drivers (3) _____ learn to be patient. On the road, we must be (4) _____ to control our own emotions. Road raged drivers are also more likely to (5) _____ more traffic offences.

SubQuestion No : 25

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

- Ans ☒ 1. drag
☒ 2. reflect
☒ 3. incur
☒ 4. proceed

Question ID : 26433084785

Status : Answered

Chosen Option : 3