Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Bopal
Exam Date	07/12/2022
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **A # B means 'A is the brother 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 % L, then how is K related to W?

Ans
✔ 1. Sister
✘ 2. Sister-in-law
✘ 3. Mother
✘ 4. Daughter

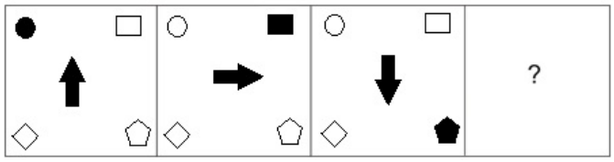
Question ID : **26433068147**
Status : **Answered**
Chosen Option : **1**

Q.2 **In a certain code language, 'PEPPER' is coded as 76 and 'CUCUMBER' is coded as 86.**
How will 'CAULIFLOWER' be coded in that language?

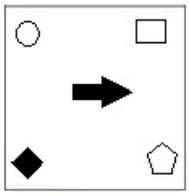
Ans
✔ 1. 125
✘ 2. 126
✘ 3. 116
✘ 4. 106

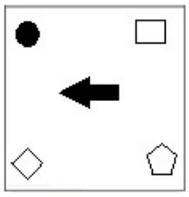
Question ID : **26433068002**
Status : **Answered**
Chosen Option : **1**

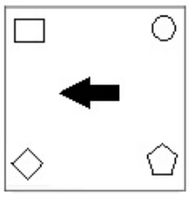
Q.3 Select the figure that will replace the question mark (?) in the following figure series.

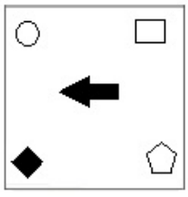


Ans

✗ 1.


✗ 2.


✗ 3.


✓ 4.


Question ID : **26433070417**
Status : **Answered**
Chosen Option : **4**

Q.4 **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 brother of P?**

Ans
✓ 1. P × Q – R
✗ 2. P × Q + R
✗ 3. R + P × Q
✗ 4. Q × P – R

Question ID : **264330104982**
Status : **Answered**
Chosen Option : **1**

Q.5 **By interchanging the given two signs which of the following equation will be not correct?**
+ and ÷

Ans
✗ 1. 12 ÷ 8 × 12 + 6 – 7 = 21
✗ 2. 9 – 3 + 12 × 8 ÷ 4 = 11
✗ 3. 46 + 23 ÷ 14 × 5 – 6 = 66
✓ 4. 6 + 20 ÷ 12 × 7 – 11 = 70

Question ID : **264330105131**
Status : **Answered**
Chosen Option : **4**

Q.6 **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.**
4 : 84 :: 11 : ? :: 13 : 2379

Ans
✗ 1. 1221
✓ 2. 1463
✗ 3. 1440
✗ 4. 819

Question ID : **26433068373**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Effluent
2. Edifice
3. Effleurage
4. Edacious
5. Effeminate
6. Eccentric
7. Effulgent

Ans
✓ 1. 6, 4, 2, 5, 3, 1, 7
✗ 2. 6, 4, 2, 3, 5, 1, 7
✗ 3. 6, 4, 2, 5, 1, 3, 7
✗ 4. 6, 4, 2, 5, 7, 3, 1

Question ID : **26433068928**
Status : **Answered**
Chosen Option : **1**

Q.8 **Which letter-cluster will replace the question mark (?) to complete the given series?**
XDNC, VGOE, ?, RMQI, PPRK

Ans
✗ 1. TJRG
✗ 2. TKPG
✓ 3. TJPG
✗ 4. TJQG

Question ID : **26433065957**
Status : **Answered**
Chosen Option : **3**

Q.9 **Select the set in which the numbers are related in the same way as are the numbers of the given 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.)
(3, 13, 18)
(29, 39, 44)

Ans
✗ 1. (17, 27, 42)
✗ 2. (25, 30, 55)
✗ 3. (26, 30, 47)
✓ 4. (16, 26, 31)

Question ID : **26433068382**
Status : **Answered**
Chosen Option : **4**

Q.10 **In the following question, select the missing number from the given series.**
7, 21, 63, 189, 567, ?

Ans
✓ 1. 1701
✗ 2. 1800
✗ 3. 1720
✗ 4. 1781

Question ID : **264330105020**
Status : **Answered**
Chosen Option : **1**

Q.11 **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**
NTRQ, GOIF, ZJZU, SEQJ, ?

Ans
✓ 1. LZHY
✗ 2. QNRT
✗ 3. LMRC
✗ 4. LXYQ

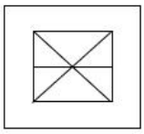
Question ID : **264330104830**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.12 **By Interchanging the given two numbers which of the following equation will be correct?**
5 and 8

Ans
✓ 1. 5 × 2 – 8 + 9 ÷ 1 = 20
✗ 2. 8 + 5 × 4 – 9 ÷ 3 = 30
✗ 3. 5 × 7 + 8 – 3 ÷ 1 = 55
✗ 4. 8 – 5 × 2 + 6 ÷ 2 = –9

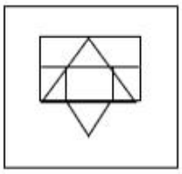
Question ID : **264330105097**
Status : **Answered**
Chosen Option : **1**

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

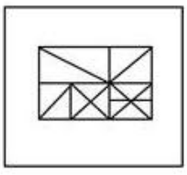


Ans

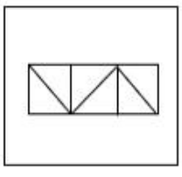
✗ 1.



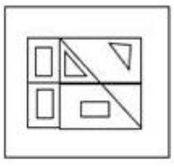
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433068619**
Status : **Answered**
Chosen Option : **2**

Q.14 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '2'.

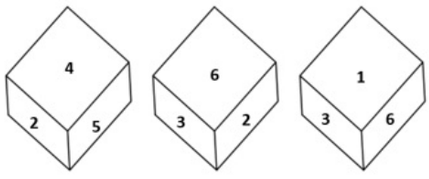


Figure 1 Figure 2 Figure 3

Ans

✓ 1. 1

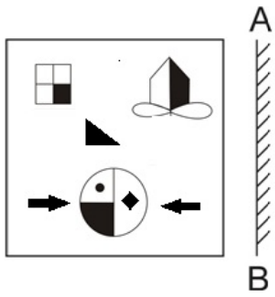
✗ 2. 6

✗ 3. 3

✗ 4. 4

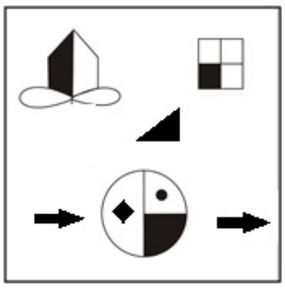
Question ID : **26433069439**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the correct mirror image of the given figure when the mirror is placed at AB as shown.

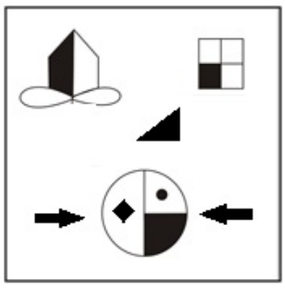


Ans

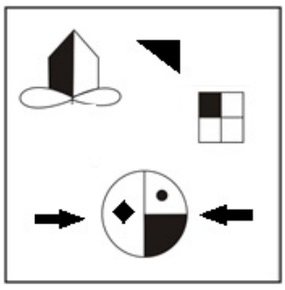
✗ 1.



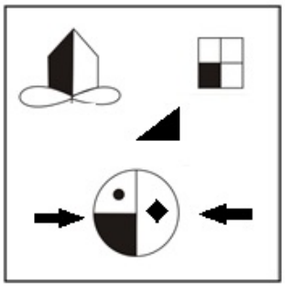
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433070443**
Status : **Answered**
Chosen Option : **2**

Q.16 **In a certain code language, 'health is wealth' is coded as '626', 'exercise regularly' is coded as '89' and 'bring good food' is coded as '544'. How will 'balanced diet is key' be coded in that language?**

Ans

✔ 1. 8423

✘ 2. 7312

✘ 3. 3721

✘ 4. 4832

Question ID : **26433067777**
Status : **Answered**
Chosen Option : **1**

Q.17 **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. Some G are U.
II. Some S are U.
Conclusion:
I. No S is G.
II. No U is G.

Ans

✘ 1. Only conclusion I follows

✘ 2. Only conclusion II follows

✔ 3. Neither conclusion follows

✘ 4. Both conclusions I and II follows

Question ID : **264330104914**
Status : **Answered**
Chosen Option : **3**

Q.18 **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. 18 – 329

✔ 2. 16 – 263

✘ 3. 14 –201

✘ 4. 12 – 49

Question ID : **264330105088**
Status : **Answered**
Chosen Option : **4**

Q.19 **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:
All the medicines are capsules.
Some capsules are bangles.
Some bangles are toothpastes.
Conclusions:
I. Some bangles are medicines.
II. Some toothpastes are capsules.
III. Some medicines are bangles.
IV. Some medicines are toothpastes.

Ans

✗ 1. Only conclusions III and IV follow

✓ 2. None of the conclusions follow

✗ 3. Only conclusions II and III follow

✗ 4. Only conclusions I and II follow

Question ID : **26433068551**
Status : **Answered**
Chosen Option : **2**

Q.20 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans

✗ 1. UVD

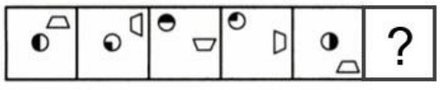
✗ 2. PQI

✓ 3. JKZ

✗ 4. EFT

Question ID : **26433069006**
Status : **Answered**
Chosen Option : **3**

Q.21 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 : **26433080508**
Status : **Answered**
Chosen Option : **1**

Q.22 If '+' means '÷', '–' means '+', '×' means '–' and '÷' means '×', what will be the value of the following expression?
[{(34 × 12) - (4 ÷ 3)} + (12 - 5)] ÷ 5

Ans
✔ 1. 10
✘ 2. 1
✘ 3. 2
✘ 4. 20

Question ID : **26433067862**
Status : **Answered**
Chosen Option : **1**

Q.23 Select the option that is related to the third word in the same way as the second word is related to the first word. (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)
Kite : Diamond :: Ball : ?

Ans
✘ 1. Triangle
✘ 2. Square
✔ 3. Round
✘ 4. Pentagon

Question ID : **26433067811**
Status : **Answered**
Chosen Option : **3**

Q.24 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)
Money plant : Climber

Ans
✔ 1. Rose : Shrub
✘ 2. Peas : Green
✘ 3. Basil : Tree
✘ 4. Banyan : Roots

Question ID : **26433068426**
Status : **Answered**
Chosen Option : **4**

Q.25 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 : 125 :: 27 : ? :: 36 : 1728

Ans
✘ 1. 689
✘ 2. 749
✘ 3. 790
✔ 4. 729

Question ID : **26433067907**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 **Who has been signed on as a brand ambassador of lubricant manufacturer Gulf Oil India in October 2022?**

Ans
✗ 1. Sonu Sood
✗ 2. Rishabh Pant
✗ 3. Sania Nehwal
✓ 4. Smriti Mandhana

Question ID : **264330105353**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **The motion of the body moving along a circular path is an example of _____.**

Ans
✗ 1. decelerated motion
✓ 2. accelerated motion
✗ 3. non-uniform motion
✗ 4. uniform motion

Question ID : **264330105468**
Status : **Marked For Review**
Chosen Option : **2**

Q.3 **Which of the following bills can be initiated only in the Lok Sabha?**

Ans
✗ 1. Private members bill
✗ 2. Constitution amendment bill
✗ 3. Government bill
✓ 4. Money bill

Question ID : **26433064850**
Status : **Answered**
Chosen Option : **4**

Q.4 **Where does the headquarters of the Indian Council of Agricultural Research Institute located?**

Ans
✗ 1. Amritsar
✗ 2. Surat
✗ 3. Lucknow
✓ 4. New Delhi

Question ID : **26433089213**
Status : **Marked For Review**
Chosen Option : **3**

Q.5 **From which year did Sangeet Natak Akademi, New Delhi, institute the Ustad Bismillah Khan Yuva Puraskar?**

Ans
✗ 1. 2001
✗ 2. 2005
✗ 3. 2004
✓ 4. 2006

Question ID : **26433072882**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Which of the following are food preservatives?**

Ans
- ✔ 1. Salt, sodium nitrite, spices and vinegar
- ✘ 2. Gypsum, soda and methyl alcohol
- ✘ 3. Gypsum, salt and formic acid
- ✘ 4. Formic acid, vinegar and methyl alcohol

Question ID : **26433071444**
Status : **Answered**
Chosen Option : **1**

Q.7 **Who among the following was conferred with the Padma Shri Award, 2021, for populating folk dance in rural Karnataka, Tamil Nadu, and Andhra Pradesh?**

Ans
- ✘ 1. Rama Swamy Annavarapu
- ✘ 2. P Anitha
- ✘ 3. Pappammal
- ✔ 4. Matha B Manjamma Jogati

Question ID : **26433082124**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Which of the following Chola ruler built a temple for goddess Nishumbhasudini?**

Ans
- ✘ 1. Aditya I
- ✘ 2. Rajendra II
- ✔ 3. Vijayalaya
- ✘ 4. Rajaraja I

Question ID : **264330105416**
Status : **Answered**
Chosen Option : **4**

Q.9 **Which of the following line separates Pakistan and Afghanistan?**

Ans
- ✘ 1. McMohan line
- ✘ 2. Jinnah line
- ✔ 3. Durand line
- ✘ 4. Radcliffe line

Question ID : **264330105521**
Status : **Answered**
Chosen Option : **2**

Q.10 **The Phase –I programme of 'Sagar Parikrama' has been organized in Gujarat, started on 5th March, 2022 from _____.**

Ans
- ✘ 1. Kheda
- ✘ 2. Porbandar
- ✘ 3. Banaskantha
- ✔ 4. Mandvi

Question ID : **264330105279**
Status : **Answered**
Chosen Option : **2**

Q.11 Who was Player of the Match in the final of U-19 World Cup cricket,2022?

Ans

✗ 1. James Rew

✗ 2. Nishant Sindhu

✓ 3. Raj Bawa

✗ 4. Yash Dhull

Question ID : **26433071545**
Status : **Answered**
Chosen Option : **1**

Q.12 Warren Hastings became the first Governor General of India in which year?

Ans

✗ 1. 1767

✗ 2. 1757

✓ 3. 1773

✗ 4. 1783

Question ID : **264330105540**
Status : **Not Answered**
Chosen Option : **--**

Q.13 When expenditure exceeds revenue, the budget is said to be in _____.

Ans

✓ 1. deficit

✗ 2. surplus

✗ 3. reserve

✗ 4. debt

Question ID : **264330105364**
Status : **Answered**
Chosen Option : **1**

Q.14 Who wrote the book titled 'Gift to Monotheism'?

Ans

✗ 1. Swami Vivekanand

✗ 2. Dayanand Saraswati

✗ 3. Kehsavchand Sen

✓ 4. Rajaram Mohan Rai

Question ID : **26433089159**
Status : **Answered**
Chosen Option : **4**

Q.15 Yamini Krishnamurthy is famous for which dance form?

Ans

✗ 1. Manipuri

✗ 2. Odissi

✓ 3. Bharatanatyam

✗ 4. Yakshagana

Question ID : **26433064383**
Status : **Answered**
Chosen Option : **3**

Q.16 What is the set of ecosystem called?

Ans
- ✗ 1. Stratosphere
- ✗ 2. Hydrosphere
- ✓ 3. Biome
- ✗ 4. Atmosphere

Question ID : **26433064447**
Status : **Answered**
Chosen Option : **4**

Q.17 Who choreographed the Bollywood song 'Mohe Rang Do Laal' from Bajirao Mastani?

Ans
- ✗ 1. Saroj Khan
- ✗ 2. Farah Khan
- ✗ 3. Ganesh Acharya
- ✓ 4. Birju Maharaj

Question ID : **26433082156**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which of the following is a strong reducing agent used to reduce aldehydes, ketones, esters, carboxylic acid chlorides, carboxylic acids and even carboxylate salts to alcohols?

Ans
- ✗ 1. Titanium hydride
- ✓ 2. Lithium aluminum hydride
- ✗ 3. Calcium hydride
- ✗ 4. Bismuth hydride

Question ID : **26433064074**
Status : **Not Answered**
Chosen Option : **--**

Q.19 The headwaters of the river Ganga is called _____.

Ans
- ✗ 1. Mandakini
- ✗ 2. Alaknanda
- ✓ 3. Bhagirathi
- ✗ 4. Sursari

Question ID : **264330105661**
Status : **Not Answered**
Chosen Option : **--**

Q.20 In hockey, what is the meaning of the signal if the umpire points both arms horizontally towards the goal?

Ans
- ✗ 1. Free hit
- ✓ 2. Penalty corner
- ✗ 3. Penalty stroke
- ✗ 4. Goal scored

Question ID : **26433071569**
Status : **Answered**
Chosen Option : **4**

Q.21 **Government of India has appointed _____ as Controller General of Accounts in October 2022.**

Ans
✗ 1. Vinayak Godse
✗ 2. Sandeep Bakshi
✓ 3. Bharati Das
✗ 4. KG Mohan

Question ID : **264330105340**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **Low annual range of temperature and high annual rainfall are characteristics of a _____.**

Ans
✗ 1. Mediterranean climate
✗ 2. temperate climate
✓ 3. tropical humid climate
✗ 4. cold climate

Question ID : **26433066507**
Status : **Answered**
Chosen Option : **3**

Q.23 **In ancient times, the area to the south of the Ganga was known as_____.**

Ans
✓ 1. Magadha
✗ 2. Kosala
✗ 3. Anga
✗ 4. Matsya

Question ID : **264330105159**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **_____ port, situated at the head of Gulf of Kuctch has been developed as a major port to cater to the needs of western and north-western parts of the country and also to reduce the pressure at Mumbai port.**

Ans
✗ 1. Ahmedabad
✓ 2. Kandla
✗ 3. Kochchi
✗ 4. Kolkata

Question ID : **26433072954**
Status : **Answered**
Chosen Option : **2**

Q.25 **In which of the following years was the Citizenship Act passed by the Indian Parliament?**

Ans
✗ 1. 1950
✗ 2. 1945
✓ 3. 1955
✗ 4. 1948

Question ID : **26433086767**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 **The table given below shows the production and consumption of coals of 6 different countries.**

Country	Production	Consumption
P	170	132
Q	336	248
R	244	185
S	330	245
T	275	226
U	195	174

What is the value of total consumption of coal of all the 6 countries?

Ans
✗ 1. 1010
✗ 2. 401
✓ 3. 1210
✗ 4. 201

Question ID : **264330105759**
Status : **Answered**
Chosen Option : **3**

Q.2 If $x^4 + \frac{1}{x^4} =$ 194 and $x^3 + \frac{1}{x^3} = ?$

Ans
✓ 1. 52
✗ 2. 58
✗ 3. 76
✗ 4. 67

Question ID : **26433075429**
Status : **Answered**
Chosen Option : **1**

Q.3 Simplify the given expression.

$(5x + 8y)(25x^2 + 64y^2 - 40xy)$

Ans
✗ 1. $125x^3 - 512y^3$
✗ 2. $25x^3 + 64y^3$
✓ 3. $125x^3 + 512y^3$
✗ 4. $25x^3 - 64y^3$

Question ID : **26433085782**
Status : **Answered**
Chosen Option : **3**

Q.4 **A civil contractor planned to build an over bridge of 3 km distance in 600 days. For this purpose, he employed 90 workers. After 200 days of work, it was observed that only 0.5 km of the bridge was completed. What is the number of extra workers required to complete the work in time?**

Ans

✗ 1. 100

✗ 2. 140

✗ 3. 125

✓ 4. 135

Question ID : **26433075926**
Status : **Answered**
Chosen Option : **4**

Q.5 **A shopkeeper bought a cycle for ₹1,200 and sold it for ₹1,500. Find his profit/loss percentage.**

Ans

✗ 1. 3% profit

✗ 2. 15% profit

✗ 3. 30% loss

✓ 4. 25% profit

Question ID : **26433066056**
Status : **Answered**
Chosen Option : **4**

Q.6 **9435 is added to 7593, then 2607 is subtracted from the sum. The result is divisible by:**

Ans

✗ 1. 4

✗ 2. 10

✓ 3. 3

✗ 4. 5

Question ID : **26433074980**
Status : **Answered**
Chosen Option : **3**

Q.7 In a ΔXYZ, XO is the median and $XO = \frac{1}{2}YZ$. If $\angle YXO = 30°$, then what is the value of $\angle XYZ$?

Ans

✗ 1. 15°

✗ 2. 90°

✓ 3. 30°

✗ 4. 60°

Question ID : **26433075364**
Status : **Answered**
Chosen Option : **4**

Q.8 **Find the LCM of 186.6 and 373.2.**

Ans

✓ 1. 373.2

✗ 2. 398.2

✗ 3. 186.6

✗ 4. 276.6

Question ID : **26433080079**
Status : **Answered**
Chosen Option : **1**

Q.9 **A copper sphere of diameter 18 metre is drawn into a cylindrical wire of length 12 metre. What is the radius of the wire?**

Ans

✗ 1. 5 metre

✓ 2. 9 metre

✗ 3. 3 metre

✗ 4. 12 metre

Question ID : **264330105880**
Status : **Answered**
Chosen Option : **2**

Q.10 **The length and breadth of a cuboid is increased by 20% and 25%, respectively, while its height is reduced by 30%. What must be the total percentage increase/decrease in the volume of the cuboid?**

Ans

✓ 1. Increase by 5%

✗ 2. Increase by 3%

✗ 3. Decrease by 2%

✗ 4. Decrease by 4%

Question ID : **26433061400**
Status : **Answered**
Chosen Option : **1**

Q.11 **Find the fourth proportional to the numbers 24, 192 and 27.**

Ans

✓ 1. 216

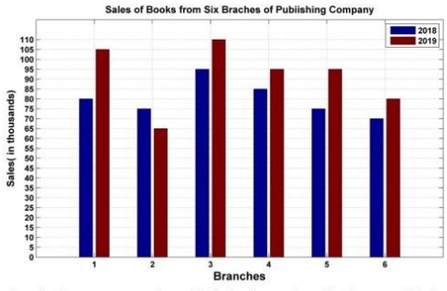
✗ 2. 108

✗ 3. 162

✗ 4. 170.67

Question ID : **26433065084**
Status : **Answered**
Chosen Option : **1**

Q.12 The following bar graph shows the sales of books (in thousands) from six branches of a publishing company during two consecutive years 2018 and 2019.



What is the average sales of all the branches (in thousands) for the year 2018?

Ans

✗ 1. 84

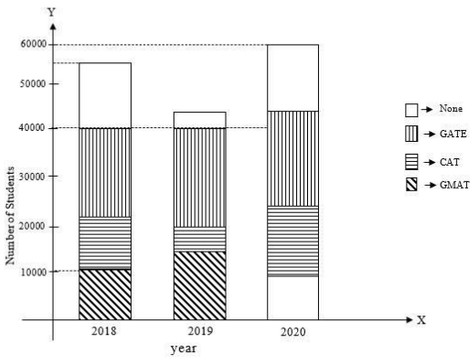
✗ 2. 78

✓ 3. 80

✗ 4. 86

Question ID : **26433082419**
Status : **Answered**
Chosen Option : **3**

Q.13 The below bar graph represents the number of students who qualified in the GATE exam, the GMAT exam, the CAT exam and those who qualified in none of these exams. (Given that there are no students who passed two or more exams.)



The percentage of students who qualified in at least one of the three exams in 2018 was:

Ans

✔ 1. 72.72%

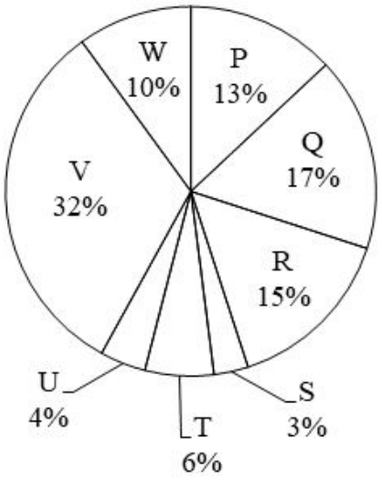
✗ 2. 77.67%

✗ 3. 83.83%

✗ 4. 67.67%

Question ID : **26433080247**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.14 **The pie chart given below shows the number of television sold by 8 different companies. The total number of television sold by all these 8 companies is 21000. The number of television sold by a particular company is shown as a percent of total number of television sold by all these 8 companies.**



J1 = The value of average number of television sold by P and W.
J2 = The value of average number of television sold by Q, R, S and V.
What is the value of (J2 – J1)?

Ans

✗ 1. 5630

✗ 2. 2046

✔ 3. 11025

✗ 4. 3260

Question ID : **264330105782**
Status : **Answered**
Chosen Option : **3**

Q.15

Ans

✗ 1. $12\sqrt{2}$

✗ 2. $36\sqrt{2}$

✓ 3. 36

✗ 4. $24\sqrt{3}$

Question ID : **26433075824**
Status : **Answered**
Chosen Option : **3**

Q.16 $\cos(30^0 + \theta) - \sin(60^0 - \theta) =$ _____.

Ans

✗ 1. $\frac{\sqrt{3}}{2}$

✓ 2. 0

✗ 3. $\frac{1}{2}$

✗ 4. $\frac{1}{\sqrt{2}}$

Question ID : **26433058180**
Status : **Answered**
Chosen Option : **2**

Q.17 **A starts from a point at a speed of 34 m/s. After 5 seconds, B starts chasing A from the same point at a speed of 44 m/s. What will be the distance travelled by B before A is caught by B?**

Ans

✓ 1. 748 metres

✗ 2. 862 metres

✗ 3. 675 metres

✗ 4. 549 metres

Question ID : **264330105700**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **The average of the first 7 non-zero multiples of 17 is:**

Ans

✗ 1. 67

✓ 2. 68

✗ 3. 69

✗ 4. 66

Question ID : **26433071275**
Status : **Answered**
Chosen Option : **2**

Q.19 Find the value of the following expression.

$5\,(\sin^4\theta + \cos^4\theta) + 3(\sin^6\theta + \cos^6\theta) + \ 19\sin^2\theta\cos^2\theta$

Ans
✔ 1. 8
✘ 2. 5
✘ 3. 6
✘ 4. 7

Question ID : **26433075026**
Status : **Answered**
Chosen Option : **1**

Q.20 **What is the total surface area of a cone, if the slant height and radius of a cone is 30 cm and 14 cm, respectively?**

Ans
✘ 1. 1980 cm^3
✘ 2. 1963 cm^3
✘ 3. 1908 cm^3
✔ 4. 1936 cm^3

Question ID : **26433066058**
Status : **Answered**
Chosen Option : **4**

Q.21 **What annual instalment will discharge a debt of Rs.9,600 due in 5 years at 10% simple interest?**

Ans
✘ 1. Rs.1450
✘ 2. Rs.1550
✘ 3. Rs.1500
✔ 4. Rs.1600

Question ID : **26433075734**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Simplify $\sqrt{36x^2 - 108x + 81}$.

Ans
✔ 1. 6x - 9
✘ 2. 2x - 9
✘ 3. 5x - 9
✘ 4. 3x - 3

Question ID : **26433075035**
Status : **Answered**
Chosen Option : **1**

Q.23 What will be the value of $\frac{\tan 45^\circ - \tan 15^\circ}{1 + \tan 45^\circ \tan 15^\circ}$?

Ans
✗ 1. $\sqrt{3}$
✗ 2. $\frac{1}{\sqrt{2}}$
✓ 3. $\frac{1}{\sqrt{3}}$
✗ 4. $\sqrt{2}$

Question ID : **264330105909**
Status : **Answered**
Chosen Option : **3**

Q.24 If $\sin\theta = \frac{3}{5}$, then what is $\tan\theta$?

Ans
✗ 1. $\frac{3}{5}$
✗ 2. $\frac{4}{3}$
✗ 3. $\frac{4}{5}$
✓ 4. $\frac{3}{4}$

Question ID : **26433075360**
Status : **Answered**
Chosen Option : **4**

Q.25 What will be the cost price of the goods if a shopkeeper allows a discount of 10% on the marked price of Rs.100 and gains 8%(rounded off to the nearest integer)?

Ans
✓ 1. Rs.83
✗ 2. Rs.86
✗ 3. Rs.87
✗ 4. Rs.81

Question ID : **26433075236**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

Q.1 Choose the correct meaning of the given idiom.
Turn over a new leaf

Ans
✓ 1. To begin again
✗ 2. To stop finally
✗ 3. To plant a tree
✗ 4. To take a break

Question ID : **26433060918**
Status : **Answered**
Chosen Option : **1**

Q.2 **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.The principal wished the students continued to aim for perfection in their future endeavours.
B.The principal also lauded educators for their tireless efforts to educate students and inspire them to come up with new ideas.
C.Our college's principal delivered an excellent speech in which he lauded the pupils.
D.The principal mentioned how teaching assistants assisted students in resolving academic and social challenges.

Ans
✗ 1. ABCD
✓ 2. CDBA
✗ 3. CABD
✗ 4. DBAC

Question ID : **26433070627**
Status : **Answered**
Chosen Option : **2**

Q.3 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

A fair-weather friend can never be trusted in the times of exigency.

Ans
✗ 1. A close friend
✗ 2. A pen friend
✓ 3. A selfish friend
✗ 4. An old acquaintance

Question ID : **26433071986**
Status : **Answered**
Chosen Option : **3**

Q.4 **Parts of the following sentence have been given as options. Select the option that contains a grammatical error.**

Bobo was / very richer than Jim / as he had illicitly accumulated / all his wealth.

Ans
✓ 1. very richer than Jim
✗ 2. all his wealth.
✗ 3. as he had illicitly accumulated
✗ 4. Bobo was

Question ID : **26433073824**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
Unemployment has become a fiery question of the day.

Ans
✓ 1. become a burning question
✗ 2. become a freezing question
✗ 3. become a furious question
✗ 4. become a flaming question

Question ID : **26433084633**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the most appropriate ANTONYM of the word 'PENNILESS' from the given sentence.**

Living in a house with a spacious lawn a proper parking space and a nice swimming pool is still a dream for many rich people in Mumbai.

Ans

✔ 1. Rich

✘ 2. Space

✘ 3. Spacious

✘ 4. Dream

Question ID : **26433060700**
Status : **Answered**
Chosen Option : **1**

Q.7 **Select the option that is similar in meaning to the underlined word.**

He gave a <u>concise</u> explanation of the company's retirement plan.

Ans

✘ 1. Clear

✘ 2. Verbose

✔ 3. Terse

✘ 4. Sharp

Question ID : **26433060590**
Status : **Answered**
Chosen Option : **1**

Q.8 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
They all, except Shirin, were very sad / during the farewell party given / to the teacher retiring, and her / indifference were well noticed.

Ans

✘ 1. They all, except Shirin, were very sad

✘ 2. during the farewell party given

✔ 3. indifference were well noticed

✘ 4. to the teacher retiring, and her

Question ID : **26433084906**
Status : **Answered**
Chosen Option : **3**

Q.9 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully:**
Estella had hardly heard the news (after) she began to weep.

Ans

✘ 1. while

✘ 2. well

✘ 3. than

✔ 4. when

Question ID : **26433088799**
Status : **Answered**
Chosen Option : **4**

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

Accept

Ans

✗ 1. Agree

✗ 2. Respond

✓ 3. Deny

✗ 4. Confirm

Question ID : **26433060894**
Status : **Answered**
Chosen Option : **3**

Q.11 **Select the most appropriate option to fill in the blank.**

I am _____ after five years.

Ans

✗ 1. making an exam

✓ 2. taking an exam

✗ 3. keeping an exam

✗ 4. frying an exam

Question ID : **26433088786**
Status : **Answered**
Chosen Option : **2**

Q.12 **Select the most appropriate option to replace the underlined segment in the given sentence.**
They <u>spoke</u> about the political turmoil in the state.

Ans

✗ 1. expressed

✗ 2. said

✓ 3. talked

✗ 4. stated

Question ID : **26433084735**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the correct active form of the given sentence.**
Luckily, the machinery was not used by them.

Ans

✗ 1. Luckily, they had not used the machinery.

✓ 2. Luckily, they did not used the machinery.

✗ 3. Luckily, they have not used the machinery.

✗ 4. Luckily, I did not used the machinery.

Question ID : **264330104588**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the most appropriate option to fill in the blank and complete the collocation.**

Happiness can be spread by being grateful or _____ compliments to someone.

Ans

✗ 1. giving

✓ 2. paying

✗ 3. accepting

✗ 4. sharing

Question ID : **26433073565**
Status : **Answered**
Chosen Option : **1**

Q.15 **Parts of the given sentence have been given as options. One of them contains a spelling error. Select the option that rectifies the error.**

In research done by an online publecation it was found that the most popular password is 123456!

Ans

✓ 1. publication

✗ 2. password

✗ 3. research

✗ 4. popular

Question ID : **26433059574**
Status : **Answered**
Chosen Option : **1**

Q.16 **Select the correct active form of the given sentence.**
You are asked to tell the plumber to mend all the pipes.

Ans

✗ 1. Command the plumber mending all the pipes.

✓ 2. Tell the plumber to mend all the pipes.

✗ 3. All the pipes must be mend.

✗ 4. Tell the plumber mending all the pipes.

Question ID : **264330104590**
Status : **Answered**
Chosen Option : **2**

Q.17 **Select the option that can be used as a one-word substitute for the given group of words.**

Holding on to something or keeping an opinion with determination

Ans

✗ 1. Gracious

✓ 2. Tenacious

✗ 3. Obnoxious

✗ 4. Loquacious

Question ID : **26433073680**
Status : **Answered**
Chosen Option : **1**

Q.18 **Parts of the following sentence have been given as options. Select the option that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.**

Her concerts / are very admired / by the foreigners / no error.

Ans
✔ 1. are very admired
✘ 2. by the foreigners.
✘ 3. No error
✘ 4. Her concerts

Question ID : **26433073823**
Status : **Answered**
Chosen Option : **1**

Q.19 **Select the INCORRECTLY spelt word.**

Ans
✘ 1. Sabbatical
✘ 2. Confluence
✔ 3. Sinhaleese
✘ 4. Conform

Question ID : **26433063145**
Status : **Answered**
Chosen Option : **4**

Q.20 **Select the most appropriate ANTONYM of the word vivid from the given sentence:**
In my murky memory lane, I still could vividly apprehend and envision the pictures of Nischindipu while reading Bibhutibhushan Bandyopadhyay's "Pather Panchali"

Ans
✘ 1. perceive
✘ 2. apprehend
✔ 3. murky
✘ 4. envision

Question ID : **26433058557**
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.

The thing nodded vigorously; as it nodded, the left button-eye fell off and (1) _____ (2) _____ the concrete floor. The thing looked around (3) _____ with its one eye, as if it had lost her. The thing twisted bonelessly (4) _____ its one eye was again facing her. And it (5) _____ across the cellar towards her then.

SubQuestion No : 21

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

Ans
✔ 1. clattered
✘ 2. hissed
✘ 3. fizzed
✘ 4. buzzed

Question ID : **26433084853**
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.

The thing nodded vigorously; as it nodded, the left button-eye fell off and (1) _____ (2) _____ the concrete floor. The thing looked around (3) _____ with its one eye, as if it had lost her. The thing twisted bonelessly (4) _____ its one eye was again facing her. And it (5) _____ across the cellar towards her then.

SubQuestion No : 22

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

Ans

✗ 1. up

✗ 2. to

✗ 3. at

✓ 4. on to

Question ID : **26433084854**
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.

The thing nodded vigorously; as it nodded, the left button-eye fell off and (1) _____ (2) _____ the concrete floor. The thing looked around (3) _____ with its one eye, as if it had lost her. The thing twisted bonelessly (4) _____ its one eye was again facing her. And it (5) _____ across the cellar towards her then.

SubQuestion No : 23

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

Ans

✗ 1. wittily

✗ 2. ferociously

✓ 3. vacantly

✗ 4. involuntarily

Question ID : **26433084855**
Status : **Answered**
Chosen Option : **2**

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.

The thing nodded vigorously; as it nodded, the left button-eye fell off and (1) _____ (2) _____ the concrete floor. The thing looked around (3) _____ with its one eye, as if it had lost her. The thing twisted bonelessly (4) _____ its one eye was again facing her. And it (5) _____ across the cellar towards her then.

SubQuestion No : 24

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

Ans

✗ 1. unless

✓ 2. until

✗ 3. ever after

✗ 4. even so

Question ID : **26433084856**
Status : **Answered**
Chosen Option : **2**

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.

The thing nodded vigorously; as it nodded, the left button-eye fell off and (1) _____ (2) _____ the concrete floor. The thing looked around (3) _____ with its one eye, as if it had lost her. The thing twisted bonelessly (4) _____ its one eye was again facing her. And it (5) _____ across the cellar towards her then.

SubQuestion No : 25

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

Ans

✗ 1. hung

✗ 2. rung

✓ 3. lunged

✗ 4. flung

Question ID : **26433084857**
Status : **Answered**
Chosen Option : **1**