Combined Graduate Level Examination Tier I 2022

Ī	Roll Number	
- II	Candidate Name	
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ال		iON Digital Zone iDZ Mancheswar
	Exam Date	07/12/2022
	Exam Time	9:00 AM - 10:00 AM
	Subject	Combined Graduate Level Examination Tier I 2022

Section: General Intelligence and Reasoning

Q.1 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

NTS, JZF, FFS, BLF, ?

Ans

X 1. XMO

X 2. XMQ

√ 3. XRS

X 4. XSM

Question ID: 264330104808 Status : Answered

Chosen Option: 3

- Q.2 After arranging the given words according to dictionary order, which word will come at 'Third' position?1. Native

 - 2. Nationality
 - 3. Nation
 - 4. National
 - 5. Nationalism

Ans X 1. Nationalism

X 2. Nation

💢 3. National

4. Nationality

Question ID: 264330104884

Status: Answered Chosen Option: 1

Q.3 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.

COMPLEX: OCXELPM:: BALANCE: ABECNAL:: AIRLINE:?

Ans

✓ 1. IAENILR

X 2. RAINELI

🗙 3. ELNIIAR

X 4. ARLINEI

Question ID: 26433069017

Status: Answered

Q.4 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:

All bikes are cars.

Some cars are trucks.

All trucks are cycles.

Conclusions:

I. Some cars are cycles.

II. Some cycles are trucks.

III. Some bikes are trucks.

Ans

1. Only conclusions II and III follow.

X 2. Only conclusions I and III follow.

3. Only conclusions I and II follow.

X 4. All conclusions follow.

Question ID : 26433070399 Status : Answered

Chosen Option: 3

Q.5 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.

CYLINDE8

Q

Ans

CYL7NDE8 1X

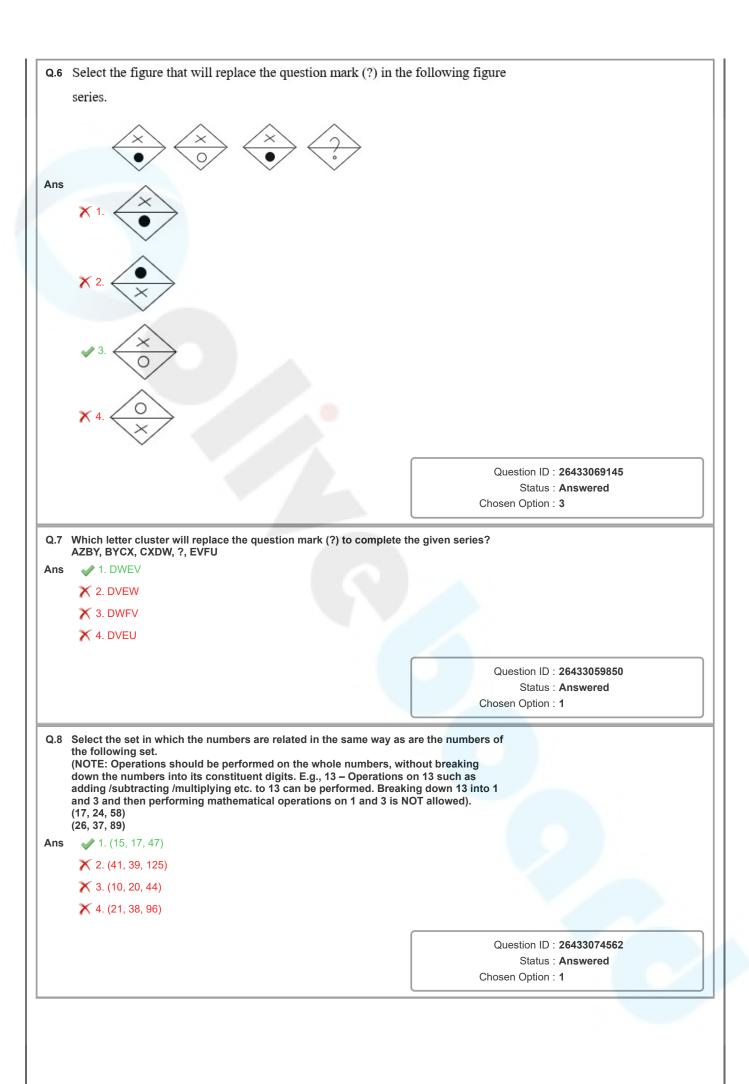
CYLINDE8 2V

CYL7NDER EX

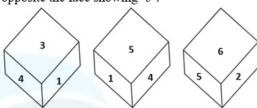
CYLINDER 1X

Question ID : 26433067826

Status : Answered



Q.9 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '5'.



Figure

Figure 2

Figure 3

Ans X

Question ID : 26433081529 Status : Answered

Chosen Option : 2

Q.10 In the following question, select the missing number from the given series. 480, 240, 120, 60, 30, ?

Ans

Question ID : 264330105021

Status: Answered

Chosen Option: 3

Q.11 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.) (13, 39, 6)

Question ID : 26433069241

Status : Answered

Chosen Option: 1

Q.12 Which of the following interchanges of numbers would make the given equation correct?

$$7 \times 4 \div 14 + 12 + 30 = 50$$

Question ID : 26433069599

Status : Answered

Q.13 Which figure should replace the question mark (?) if the series were to be continued? C X P C C ☆ Ans 3 **X** 1. Χ 公 C 3 X P C 3 **X** 3. S P 公 C 3 Χ C Question ID: 26433076655 Status : Answered Chosen Option : 1 Q.14 In a certain code language, 'CABLES' is written as 'ECDUGN' and 'PHONES' is written as 'RJQUGP'. How will 'MOBILE' be written in that language? Ans X 1. DQOKNG 🗶 2. OQDNKG ✗ 3. OQDKNG ✓ 4. OQDGNK Question ID: 26433066019 Status: Not Answered Chosen Option : --

- Q.15 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 table are chair.
 - II. No chair is stool.
 - Conclusion:
 - I. All chair are table.
 - II. Some chair are stool.
 - III. All table are stool.
- Ans X 1. Only conclusion I follows
 - 2. All conclusion follows3. Both conclusions II and III follows
 - 4. Neither conclusion follows

Question ID : 264330104928 Status : Answered

Chosen Option: 4

Q.16 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

Ans X 1. Etb 7 p l

tp7943.2X

tp7d43 . € 🛰

tb7 b43 4X

Question ID : 26433068200

Status : **Answered**

Chosen Option: 3

- Q.17 By interchanging the given two signs which of the following equation will be correct?
 - + and >

Ans \times 1. 7 + 5 × 2 – 8 ÷ 4 = 36

 \checkmark 2. 95 ÷ 19 + 5 × 3 - 6 = 22

 \times 3. 13 + 4 × 5 – 6 ÷ 2 = 51

 \times 4.4 × 3 + 6 – 7 ÷ 1 = 18

Question ID : 264330105116

Status: Answered

Chosen Option: 2

Q.18 In a certain code language, 'GHOST' is written as 'VVSMM' and 'EATER' is written as 'THXFK'. How will 'HANDS' be written in that language?

Ans

- ✓ 1. UGRFN
- × 2. NFRGV
- X 3. WHRGN
- X 4. VGRGN

Question ID: 26433069570

Status : Answered

Q.19 If A × B means that A is the brother of B, A ÷ B means that A is the sister of B, A + B means that A is the father of B then which of the following expression shows that P is the sister of R?

√ 2. P ÷ Q × R

X 3. P × Q ÷ R

X 4. P ÷ Q + R

Question ID : 264330105001 Status : Answered Chosen Option : 2

Q.20 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 X 1. 16 – 30

⊘ 2. 44 − 84

X 3. 14 – 26

X 4. 18 – 34

Question ID : 264330105061 Status : Answered

Chosen Option: 2

Q.21 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) (45, 15, 120)

(27, 8, 76)

Ans X 1. (72, 58, 84)

X 2. (30, 12, 80)

X 3. (23, 14, 38)

4. (56, 48, 32)

Question ID : 26433082546

Status : Answered

Chosen Option: 4

Q.22 After interchanging the given two numbers and two signs what will be the values of equation (I) and (II) respectively?

+ and –, 6 and 9

1. $6 - 5 \times 9 + 8 \div 2$

II. 6 – 4 + 9 × 5 ÷ 3

Ans X 1. 17, 5

X 2. 81, 16

√ 3. 35, 3

X 4. 54, 5

Question ID : 264330105158 Status : Answered

Q.23 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (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.) Dog : Kennel 1. Bee : Hive Ans X 2. Hare : Den X 3. Lion : Burrow X 4. Spider : Shed Question ID: 26433068338 Status : Answered Chosen Option : 1 Q.24 A \$ B means 'A is the husband of B' A @ B means 'A is the daughter of B' A # B means 'A is the father of B' A * B means 'A is the mother of B' If X @ Y \$ J * M, then how is X related to M? Ans X 1. Brother X 2. Sister-in-law X 4. Grandmother Question ID: 26433068070 Status: Answered Chosen Option: 3 Q.25 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? X 1. FKA Ans √ 2. CJZ **X** 3. PUK ★ 4. CHX Question ID: 26433081505 Status: Answered Chosen Option: 2 Section: General Awareness Q.1 Who among the following is a famous performer of the Kathakali classical dance? 💢 1. Pankaj Charan Das Ans X 2. Sunanda Nayar 3. Gopinath 🗙 4. Raja Reddy Question ID: 26433064384 Status: Not Answered Chosen Option: --

	Who was appointed the Lieutenant Governor of Delhi in	
Ans	★ 1. Vivek Kumar	
	🗙 2. Arvind Krishna	
	✓ 3. Vinai Kumar Saxena	
	X 4. Vijay Shekar Sharma	
		Question ID : 264330105330
		Status : Answered Chosen Option : 3
		Choosin Option . V
Q.3	What powers the Earth's internal heat engine?	
Ans	★ 1. Solar Energy	
	× 2. Volcanoes	
	✓ 3. Radioactive energy	
	X 4. Tides	
		Question ID : 26433064462
		Status : Not Answered
		Chosen Option :
Q.4	Which of the following has writery, 20	
Ans		
Alla		
	× 2. Distance	
	X 4. Velocity	
		Over-tion ID - 204220445462
		Question ID : 264330105462 Status : Answered
		Chosen Option: 3
Q.5	Shovana Narayan was awarded which of the following a	
Ans		awards in 2013?
7 1110	✓ 1. Guru Deba Prasad	awards in 2013?
71110		awards in 2013?
71110	✓ 1. Guru Deba Prasad	awards in 2013?
71110	✓ 1. Guru Deba PrasadX 2. Sangam Kala	awards in 2013?
74110	✓ 1. Guru Deba PrasadX 2. Sangam KalaX 3. Kalidas Samman	awards in 2013?
7.11.0	✓ 1. Guru Deba PrasadX 2. Sangam KalaX 3. Kalidas Samman	Question ID : 26433090712
7.110	✓ 1. Guru Deba PrasadX 2. Sangam KalaX 3. Kalidas Samman	Question ID : 26433090712 Status : Not Answered
,,,,	✓ 1. Guru Deba PrasadX 2. Sangam KalaX 3. Kalidas Samman	Question ID : 26433090712
	 1. Guru Deba Prasad 2. Sangam Kala 3. Kalidas Samman 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurance.	Question ID : 26433090712 Status : Not Answered Chosen Option :
Q.6	 1. Guru Deba Prasad 2. Sangam Kala 3. Kalidas Samman 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government?	Question ID : 26433090712 Status : Not Answered Chosen Option :
	 ✓ 1. Guru Deba Prasad ✓ 2. Sangam Kala ✓ 3. Kalidas Samman ✓ 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government? ✓ 1. Karnataka 	Question ID : 26433090712 Status : Not Answered Chosen Option :
Q.6	 ✓ 1. Guru Deba Prasad X 2. Sangam Kala X 3. Kalidas Samman X 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government? X 1. Karnataka X 2. Chhattisgarh 	Question ID : 26433090712 Status : Not Answered Chosen Option :
Q.6	 ✓ 1. Guru Deba Prasad ✓ 2. Sangam Kala ✓ 3. Kalidas Samman ✓ 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government? ✓ 1. Karnataka 	Question ID : 26433090712 Status : Not Answered Chosen Option :
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Q.6	 ✓ 1. Guru Deba Prasad X 2. Sangam Kala X 3. Kalidas Samman X 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government? X 1. Karnataka X 2. Chhattisgarh ✓ 3. Kerala 	Question ID : 26433090712 Status : Not Answered Chosen Option : ce scheme. This scheme was Question ID : 264330105313
Q.6	 ✓ 1. Guru Deba Prasad X 2. Sangam Kala X 3. Kalidas Samman X 4. Bharat Muni Samman Medisep is a unique and comprehensive social insurant implemented by which state government? X 1. Karnataka X 2. Chhattisgarh ✓ 3. Kerala 	Question ID : 26433090712 Status : Not Answered Chosen Option : ce scheme. This scheme was

Ans	Which of the following is a unit of distance?	
	X 1. Newton	
	X 2. Watt	
	✓ 3. Light year	
	× 4. Joule	
		Question ID : 26433066455
		Status : Answered
		Chosen Option : 3
Q.8	Rajaraja I and Rajendra I belonged to thedynasty.	
Ans	✓ 1. Chola	
	X 2. Pallava	
	X 3. Pandya	
	X 4. Chalukya	
		Question ID : 26433091455
		Status : Answered
		Chosen Option : 1
Q.9	The abbreviation "CPCL" is associated with the petroleum industr	y in India. Expand
	"CPCL":	
Ans	X 1. Central Petroleum Corporation Limited	
	★ 2. Coimbatore Petroleum Corporation Limited	
	3. Chennai Petroleum Corporation Limited	
	X 4. Corporation of Petroleum and Chemicals Limited	
		Question ID : 26433089212
		Status : Answered
		Chosen Option : 4
O 10	Which law, that was proposed in 1811, predicted that the same vol	
Q. 10		ime of dases at the
	same temperature and pressure would have the same number of n	
Ans		
	same temperature and pressure would have the same number of n	
	same temperature and pressure would have the same number of n 1. Dalton's law	
	 same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 	
	same temperature and pressure would have the same number of not also as the same number of no	nolecules?
	same temperature and pressure would have the same number of not also as the same number of no	Question ID : 26433064085
	same temperature and pressure would have the same number of not also as the same number of no	nolecules?
	same temperature and pressure would have the same number of not also as the same number of no	Question ID : 26433064085 Status : Answered
Ans	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law Which of the following dynasty was not the part of "tripartite strug	Question ID : 26433064085 Status : Answered Chosen Option : 4
Ans	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law	Question ID : 26433064085 Status : Answered Chosen Option : 4
Ans Q.11	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law Which of the following dynasty was not the part of "tripartite strug for centuries to control over one particularly prized area Kanauj?	Question ID : 26433064085 Status : Answered Chosen Option : 4
Ans	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law Which of the following dynasty was not the part of "tripartite strug for centuries to control over one particularly prized area Kanauj? 1. Kadamba 2. Rashtrakuta	Question ID : 26433064085 Status : Answered Chosen Option : 4
Ans Q.11	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law Which of the following dynasty was not the part of "tripartite strug for centuries to control over one particularly prized area Kanauj? 1. Kadamba 2. Rashtrakuta 3. Pala	Question ID : 26433064085 Status : Answered Chosen Option : 4
Ans	same temperature and pressure would have the same number of n 1. Dalton's law 2. Gay-Lussac's law 3. Avogadro's law 4. Charles' law Which of the following dynasty was not the part of "tripartite strug for centuries to control over one particularly prized area Kanauj? 1. Kadamba 2. Rashtrakuta	Question ID : 26433064085 Status : Answered Chosen Option : 4
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Q.12 Which is the most popular coal in commercial use? 1. Bituminous Ans X 2. Anthracite X 3. Peat X 4. Lignite Question ID: 264330105505 Status: Not Answered Chosen Option: --Q.13 Which of the following countries will be hosting the first edition of ICC Women's Under-19 Cricket World Cup in 2023? Ans X 1. India 2. South Africa X 3. Bangladesh X 4. England Question ID: 26433059406 Status: Answered Chosen Option : 2 Q.14 Mariana trench is located in which ocean? Ans X 1. Arctic ocean 2. Pacific ocean X 3. Atlantic ocean X 4. Southern ocean Question ID: 264330105625 Status: Not Answered Chosen Option: --Q.15 What is the minimum quorum required in the Lok Sabha so that it can transact any business? Ans ✓ 1. One-tenth of the total number of Members of the House X 2. One-fourth of the total number of Members of the House X 3. One-third of the total number of Members of the House X 4. One-fifth of the total number of Members of the House Question ID: 26433072918 Status : Answered Chosen Option: 3 Q.16 Savings deposits with Post Office savings banks are included in which measure of money supply? 🗙 1. M1 Ans × 2. M4 √ 3. M2 X 4. M3 Question ID: 264330105381 Status: Not Answered Chosen Option: --

Q.17 In which of the following Olympic games did India NOT win Gold? **Ans** X 1. 1948 **X** 2. 1928 **X** 3. 1932 **4**. 1960 Question ID: 26433071543 Status: Not Answered Chosen Option: --Q.18 In which of the following years was the voting age reduced from 21 years to 18 years? Ans X 1. 1990 X 2. 1992 **3**. 1988 **X** 4. 1989 Question ID: 26433074891 Status : Answered Chosen Option: 2 Q.19 Which sector was given the main emphasis in the second Five-Year Plan? Ans X 1. Transport X 2. Agriculture X 3. Trade 4. Industry Question ID : 26433065446 Status : Answered Chosen Option: 4 Q.20 Which Indian tabla virtuoso and musician won the 'Best Contemporary World Music Album' Grammy award for 'Global Drum Project'? X 1. Pandit Sandeep Das Ans X 2. Ustad Alla Rakha 3. Ustad Zakir Hussain X 4. Pandit Anindo Chatterjee Question ID: 26433071527 Status: Not Answered Chosen Option: --Q.21 Who has been appointed as the new Attorney General of India by President Droupadi Murmu for a period of three years? Ans X 1. Shehan Karunatilaka X 2. Dhananjaya Yashwant Chandrachud X 3. Rishi Sunak 4. R. Venkataramani Question ID: 264330105218 Status : Answered Chosen Option: 4

Q.22	In leaves transpiration takes place through	
Ans	√ 1. Stomata	
	X 2. Cork cell	
	X 3. Epidermal cell	
	★ 4. Guard cells	
		Question ID : 264330105456 Status : Not Answered
		Chosen Option :
	Who was recognised as 'Asthana Nartaki' (resident dance Devasthanam for her contribution in the development and classical dance forms?	
Ans	★ 1. Rukmini Devi	
	X 2. Ragini Devi	
	✓ 3. Yamini Krishnamurthy	
	X 4. Uma Sharma	
		Question ID : 26433092378
		Status : Not Answered Chosen Option :
		Gliosoff Option :
Q.24	Manimekalai describes the story of which of the followin	ig?
Ans	✓ 1. Kovalan and Madhavi's Daughter	
	X 2. Kovalan's wife Madhavi	
	✗ 3. Kovalan's first wife Kannagi	
	X 4. Kovalan and Madhavi's Son	
		Question ID : 264330105205 Status : Not Answered
		Chosen Option :
	"A History of British India" is a work Published by	-
Ans	★ 1. Lord Canning	
	X 2. Lord Dalhousie	
	✓ 3. James Mill	
	★ 4. Warren Hastings	
		Question ID : 264330105541 Status : Answered
		Chosen Option : 3

Section : Quantitative Aptitude

Q.1 In \triangle XYZ, \angle X=90°, YZ= 15 cm, and XZ = 12 cm. Then find Cos Y.

Ans

- **X** 1. $\frac{2}{5}$
- X 2.
- $\sqrt{3}$. $\frac{3}{5}$
- \times 4. $\frac{3}{4}$

Question ID : 26433085502

Status : Answered

Chosen Option: 3

Q.2 What is the LCM of $(8x^3 + 80x^2 + 200x)$ and $(4x^4 + 16x^3 - 20x^2)$?

Ans

- \checkmark 1. $8x^2(x+5)^2(x-1)$
- \times 2. $8x^2(x-1)^2(x+5)$
- \times 3. $4x^2(x-1)^2(x+5)$
- $\times 4.4x^2(x+5)^2(x-1)$

Question ID : 26433080082

Status : Answered

Chosen Option : 4

Q.3 25 men and 45 women can complete a piece of work in 15 days, while 15 men and 60 women can complete it in 20 days. In how many days can 69 men and 67 women complete the work?

Ans

- **X** 1. 10 **X** 2. 5
 - **X** 3. 8
 - **4**. 6

Question ID : 26433075298

Status : Answered

Chosen Option : 4

Q.4 In a 1500 m race, if vehicle P gives vehicle Q a start of 200 m, then vehicle P wins the race by 8 sec. Alternatively, if vehicle P gives vehicle Q a start of 400 m, the race ends in a dead heat. How long does vehicle P take to run 1500 m?

Ans

- √ 1. 44 sec
- X 2. 45 sec
- X 3. 40 sec
- X 4. 60 sec

Question ID : 26433072975

Status: Not Answered

Q.5 If tan A - tan B - tan C = tan A tan B tan C, what is the value of A in terms of B and C?

Ans

$$\sqrt{1}$$
 1. $A = B + C$

$$\times$$
 2. A = 2B - 2C

$$\times$$
 3. $A = B - C$

$$\times$$
 4. $A = \frac{B-C}{2}$

Question ID: 26433061940 Status: Answered

Chosen Option: 1

Q.6 The table given below shows the budget allocation for education in five states in a

States	Budget allocation
J	325
K	175
L	350
M	525
N	635

The budget allocation for education in state K is what percent of the budget allocation for education in state L?

Ans

X 1. 150 percent

X 2. 55 percent

X 3. 45 percent

4. 50 percent

Question ID: 264330105747

Status : Answered

Chosen Option: 4

Q.7 If the diameter of a hemisphere is 35 cm, then what is the volume of hemisphere?

Ans

X 2. 15248.46 cm³

X 3. 17428.33 cm³

X 4. 9478.26 cm³

Question ID: 264330105849

Status : Answered

Chosen Option: 1

Q.8 Wheat worth Rs.80 per kg and Rs.50 per kg is mixed with a third variety in the ratio 1:2:3 . If the mixture is worth Rs.75 per kg, then the price of the third variety per kg will be equal to:

X 2. Rs.85

X 3. Rs.80

Question ID: 26433061133

Status: Answered

Q.9 The mean proportional of 6 and 54 is _____ more than 15.

Ans 🚀 1. 3

X 2. 6

X 3.4

X 4. 5

Question ID: 26433066175 Status: Answered Chosen Option: 1

Q.10 The initial profit percentage on the sale of an item was 55%. If the cost price of the item went up by 24% but the selling price remained the same, what would be the new profit percentage?

Ans X 1. 36%

2. 25%

X 3. 28%

X 4. 33%

Question ID: 26433066301 Status : Answered Chosen Option : 2

Q.11 The given table shows the consumption of grains in terms of kilograms of a small village per day over the given set of years. Study the table and answer the question that follows.

Year	Rice	Wheat	Maize	Barley
1998-2000	181	50	35	26
2003-2005	167	44	39	17
2008-2010	169	38	49	25
2013-2015	150	45	51	21
2018-2020	147	54	63	24

For wheat grains, for the given set of years, the highest consumption is approximately how much per cent of that of all grains consumption per day in such a set of years?

X 1 13.52%

2. 18.75%

X 3. 15.32%

× 4. 17.85%

Question ID: 26433085492 Status: Not Answered

Chosen Option: --

Q.12 Steel is used to make a hemispherical bowl that is 0.37 cm thick. The bowl's inner radius is 6 cm. Find the bowl's outside curved surface area (take $\pi = \frac{22}{7}$).

Ans × 1. 532 cm²

✓ 2. 255.0548 cm²

× 3. 484 cm²

× 4. 523.4107 cm²

Question ID: 26433065307 Status : Answered

if $tan^2\alpha = 3 + Q^2$, then $sec \alpha + tan^3\alpha cosec \alpha = ?$

Ans
$$\times$$
 1. $(3+Q^2)^{\frac{3}{2}}$

$$\times$$
 2. $(7+Q^2)^{\frac{3}{2}}$

$$\times$$
 3. $(5-Q^2)^{\frac{3}{2}}$

$$\checkmark$$
 4. $(4+Q^2)^{\frac{3}{2}}$

Question ID: 26433066338

Status : Answered Chosen Option: 4

Q.14 The height of an equilateral triangle is $~9\,\sqrt{3}~cm$. What is the area of this equilateral triangle?

$$\times$$
 1. 92 $\sqrt{3}$ cm²

$$\times$$
 2. 67 $\sqrt{3}$ cm²

$$\times$$
 3. 49 $\sqrt{3}$ cm²

$$\checkmark$$
 4. 81 √3 cm²

Question ID: 264330105829

Status : Answered

Chosen Option: 4

Q.15 If the angles of a triangle are in the ratio of 1:2:3, what is the type of such triangle?

Ans X 1. Isosceles triangle

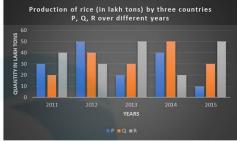
X 2. Equilateral triangle

X 4. Obtuse- angle triangle

Question ID: 26433071272

Status : Answered

Q.16 The given bar graph shows the data of the production of rice (in lakh tons) by three different countries P, Q and R over the years mentioned. Study the graph and answer the question that follows.



The average production for the five years is maximum for which country?

- Ans X 1. Only Q
 - X 2. P and Q X 3. P and R
 - 4. Only R

Question ID: 26433076086 Status: Answered Chosen Option: 4

Q.17 A person lent certain sum of money at the annual rate of 7 percent on simple interest and the interest received in 11 years is Rs. 920 less than the sum lent. What is the sum lent?

- **Ans** X 1. Rs. 41200
 - ✓ 2. Rs. 4000
 - X 3. Rs. 52000
 - X 4. Rs. 2400

Question ID: 264330105670 Status: Answered

Chosen Option: 2

Simplify the following equation. What is the difference between the two values of x?

$$7x + 4\{x^2 \div (5x \div 10)\} - 3\left\{5\frac{1}{3} - x^3 \div (3x^2 \div x)\right\} = 0$$

- Ans X 1.8
 - **X** 2. 16
 - **X** 3. 5
 - **4**. 17

Question ID: 26433082790

Status: Answered

Chosen Option: 4

Q.19 If a number K = $42 \times 25 \times 54 \times 135$ is divisible by 3^a , then find the maximum value of a.

- Ans X 1.6 **2**. 7
 - **X** 3. 4
 - **X** 4. 5

Question ID: 26433075715

Status : Answered

If
$$x^2 + y^2 + 2y + 4x + 5 = 0$$
, then $\frac{x+y}{x-y} =$ _____.

Question ID: 26433091950 Status : **Answered**

Chosen Option : 4

Q.21 A mask manufacturing company manufactured 'X' number of masks in 2018. It increased its manufacturing capacity by 30% in 2019 and further increased its manufacturing by 15% in 2020. In 2021, due to the machinery breakdown, its manufacturing declined by 40%. What is the value of 'X' if it manufactured 179400 masks in 2021?

X 1. 180000

X 2. 230000

3. 200000

X 4. 210000

Question ID: 26433061454

Status : Answered

Chosen Option: 3

Q.22

The value of $\frac{(x-y)^3+(y-z)^3+(z-x)^3}{6(x-y)(y-z)(z-x)}$, where $x\neq y\neq z$, is equal to:

🗙 1.
$$\frac{1}{4}$$

Question ID: 26433074494

Status : Answered

Q.23 The table given below shows the number of toys manufactured by five factories.

Factory	Toys
F1	250
F2	450
F3	350
F4	150
F5	550

Number of toys manufactured by F2 are what percent of the number of toys manufactured by F4?

Ans

X 1. 200 percent

X 2. 100 percent

3. 300 percent

X 4. 50 percent

Question ID: 264330105714 Status : Answered

Chosen Option: 3

Q.24 In a shop, a discount of 5 percent is provided, and if the total payable amount after discount is more than ₹2,000, then an additional discount of 10 percent is provided. Determine the final amount to be paid (in ₹) by a customer, if he buys five products each of price ₹500.

Ans X 1. ₹2,500

X 2. ₹2,225.5

X 3. ₹2,375.5 **√** 4. ₹2,137.5

> Question ID : 26433076006 Status : Answered

Chosen Option: 4

Q.25 If the circumference of a circle is 220 cm, then what is its radius?

Ans X 1. 26 cm

X 2. 25 cm

√ 3. 35 cm

X 4. 40 cm

Question ID: 264330105842 Status : Answered

Chosen Option: 3

Section: English Comprehension

Q.1 Select the correct direct form of the given sentence. She said that she could not believe him.

Ans

X 1. She said, "You cannot believe him."

X 2. She said, "I may not believe him."

💢 4. She says, "I could not believed him."

Question ID: 264330104638 Status : Answered

Q.2	2.2 Select the most appropriate synonym of the underlined word in the given sent	ence.
Ans	The next move of the opponent was <u>anticipated</u> by the team. ns	
	✓ 2. Predicted	
	X 3. Suspected	
	X 4. Dreaded	
		Question ID : 26433071963
		Status : Answered Chosen Option : 2
Q.3	2.3 Select the most appropriate option to fill in the blank and complete the collocation.	tion.
	Akshay always gives to Johana for his success.	
Ans		
	X 2. chance	
	X 3. opportunity	
	✓ 4. credit	
		Question ID : 26433073564
		Status : Answered
		Chosen Option : 4
Q.4 Ans	 8.4 Select the most appropriate synonym of the underlined word in the following sentence. The way Sheetal <u>imparts</u> knowledge to her students is really praiseworthy. 1. discloses 2. transmits 	
	★ 3. exposes	
	★ 4. admits	
		Question ID : 26433066414 Status : Answered
		Chosen Option : 3
Q.5	 Select the most appropriate meaning of the underlined idiom in the given sent Nobody in the conference seemed to believe the <u>cock and bull story</u> about suc major movie star. 1. Factual story 	
"	✓ 2. Wildly exaggerated or falsified story	
	★ 3. Interesting story	
	X 4. Secretive story	
	, a section of the se	
		Question ID : 26433061577 Status : Answered Chosen Option : 2
Q.6	0.6 Select the sentences that contains no spelling errors.	
Ans		
	★ 2. My mother asked me to purchase two bread knives having seerated edges.	
	✗ 3. My mother asked me to purchase two bread knives having serratted edges.	
	★ 4. My mother asked me to purchase two bread knives having serated edges.	
		Question ID : 26433070694 Status : Answered Chosen Option : 4

Q.7	Select the option that can be used as a one-word substitute for the words	given group of
	Allowance given to a wife from her husband on separation	
Ans	★ 1. Allegory	
	✓ 2. Alimony	
	★ 3. Affidavit	
	X 4. Advocacy	
		Question ID : 26433070704
		Status : Answered
		Chosen Option : 2
Q.8	Select the option that expresses the given sentence in passive voic	9.
	The secretary was noting down the dictation.	
Ans	★ 1. The secretary noted the dictation.	
	★ 2. The dictation was noted down by the secretary.	
	✗ 3. The notes were noted by the secretary.	
	✓ 4. The dictation was being noted down by the secretary.	
		Question ID : 26433088945
		Status : Answered
		Chosen Option : 4
Ans	Holm, a Danish traveller, had made a/an replica of the table was deposited in the Metropolitan Museum of Art, New York. *\times 1. wild *\times 2. obscure *\times 3. corrupt *\times 4. exact	Question ID : 26433090504 Status : Answered Chosen Option : 4
Q.10	Rectify the sentence by selecting the correct spelling of the underlin	ned word.
	She is a <u>nuisanse</u> to her family.	
Ans	X 1. nuisince	
	★ 2. niusance	
	★ 3. newsance	
	√ 4. nuisance	
		Question ID : 26433065145 Status : Answered Chosen Option : 4

Q.11 Select the most appropriate synonym of the bracketed words to fill in the blank. (lighting up) the artwork on the walls of the museum were looking The lights beautiful. X 1. enlightening 2. illuminating X 3. trafficking X 4. mesmerising Question ID: 26433071820 Status : Answered Chosen Option: 2 Q.12 Select the most appropriate meaning of the underlined idiom that can be substituted in the following sentence. The game is now in full swing. Ans X 1. very passive X 2. very uninteresting X 3. playing on the swings 4. very active Question ID: 26433072229 Status : Answered Chosen Option: 4 Q.13 Select the most appropriate ANTONYM of the highlighted word in the following sentence. The managing director produced cogent reasons for the change in HR policies. Ans X 1. Compelling 2. Unconvincing X 3. Pertinent X 4. Unexpected Question ID: 26433065224 Status : Answered Chosen Option: 2 Q.14 Rearrange the parts of the sentence in correct order. Thorium has P. and is part of a nuclear programme in India Q. of nuclear reactor in countries including R. been tested as a fuel in other types S. the United States, Germany and the United Kingdom, √ 1. RQSP Ans X 2. RPQS 💢 3. PSQR X 4. SPQR Question ID: 264330104686 Status: Answered Chosen Option: 1

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. You must / $\bar{b}e$ hurry, / otherwise you will / miss the train. X 1. miss the train. Ans 2. be hurry, X 3. You must X 4. otherwise you will Question ID: 26433086306 Status: Answered Chosen Option: 2 Q.16 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The boy had run away / because he couldn't stand / his father beat him / for one more day. Ans 1. his father beat him 2. because he couldn't stand X 3. The boy had run away X 4. for one more day Question ID: 26433088159 Status : Answered Chosen Option: 1 Q.17 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. Poor posture may strain neck muscles, whether you're leaning over your computer or hunching over your workstation. B. However, neck pain may occasionally be an indication of a more serious issue. C. Neck pain is a frequent problem among many people these days.

D. If your neck pain is accompanied by numbness or lack of strength in your arms or hands, or if you experience shooting pain into your shoulder or down your arm, you should seek medical attention. Ans X 1. CADB ✓ 2. CABD X 3. BDCA X 4. ABDC Question ID: 26433093052 Status: Answered Chosen Option: 1 Q.18 Select the correct active form of the given sentence. Football tournament was being avoided by his son. Ans X 1. His son is avoiding football tournament. 2. His son was avoiding football tournament. 3. His son avoided football tournament. 4. His son avoids football tournament. Question ID: 264330104589 Status: Answered Chosen Option : 2

	Select the most appropriate option to substitute the underlined se	gament in the given
	sentence. If there is no need to substitute it, select 'No substitution	
	She lived in well-resourced surroundings.	
Ans	√ 1. luxurious	
	X 2. luxuriousness	
	★ 3. luxury	
	X 4. No substitute	
		Question ID : 26433073901
		Status : Answered
		Chosen Option : 1
Q.20	Rearrange the parts of the sentence in correct order. The Google doodle P. with a cup of green tea, beaker and Q. Tsujimura working in her laboratory R. some green tea leaves by the side S. features a graphical representation of	
Ans	X 1. RSPQ	
	X 2. PQSR	
	X 3. RPQS	
	✓ 4. SQPR	
		Question ID : 264330104688
		Status : Answered Chosen Option : 4
		о
	Comprehension:	
	In the following passage, some words have been deleted. Read the paselect the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story.	orizon, which is choose each step we are as
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the	orizon, which is choose each step we are as
Q.21	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story.	orizon, which is choose each step we are as
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No : 21	orizon, which is choose each step we are as
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No: 21 Select the most appropriate option to fill in blank number 1.	orizon, which is choose each step we are as
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No : 21 Select the most appropriate option to fill in blank number 1. 1. narrow	orizon, which is choose each step we are as
Q.21 Ans	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No : 21 Select the most appropriate option to fill in blank number 1. X 1. narrow X 2. slight	orizon, which is choose each step we are as
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No: 21 Select the most appropriate option to fill in blank number 1. X 1. narrow X 2. slight X 3. contracted	orizon, which is choose each step we are as same journey: our
	select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hetechnically a circle and thus (2) broad. Yet we must take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the story. SubQuestion No: 21 Select the most appropriate option to fill in blank number 1. X 1. narrow X 2. slight X 3. contracted	orizon, which is choose each step we are as

	Comprehension:		
	In the following passage, some words have been deleted. Read the pass	age carefully and	
	select the most appropriate option to fill in each blank.		
	One's options in this world are as (1) as the hori technically a circle and thus (2) broad. Yet we must cl	zon, which is noose each step we	
	take with (3) caution, for the footprints we leave (4) are as		
	important as the (5) we will follow. They're part of the same journey: our		
	story.		
	SubQuestion No: 22		
Q.22	Select the most appropriate option to fill in blank number 2.		
Ans			
	X 2. severely		
	X 3. strictly		
	✓ 4. infinitely		
	4. Illimitery		
		Question ID : 26433084945	
		Status : Answered	
		Chosen Option : 4	
		Shoom opasti. 1	
	Comprehension:		
	In the following passage, some words have been deleted. Read the pass	age carefully and	
	select the most appropriate option to fill in each blank.	age carefully and	
	One's options in this world are as (1) as the hori technically a circle and thus (2) broad. Yet we must cl	zon, which is	
	technically a circle and thus (2) broad. Yet we must cl	noose each step we	
	take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the sa	me journey: our	
	story.	me jeamey. San	
	SubQuestion No: 23		
O 22	Select the most appropriate option to fill in blank number 3.		
Ans	✓ 1. utmost		
Alla			
	* 2 alask		
	X 2. slack		
	X 3. unmindful		
	X 3. unmindful		
	X 3. unmindful	Question ID : 26433084946	
	X 3. unmindful		
	X 3. unmindful	Question ID : 26433084946 Status : Answered Chosen Option : 1	
	X 3. unmindful	Status : Answered	
	X 3. unmindful	Status : Answered	
	X 3. unmindful X 4. inattentive Comprehension:	Status : Answered Chosen Option : 1	
	X 3. unmindful X 4. inattentive Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank.	Status : Answered Chosen Option : 1 age carefully and	
	X 3. unmindful X 4. inattentive Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank.	Status : Answered Chosen Option : 1 age carefully and	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must circle.	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hori technically a circle and thus (2) broad. Yet we must clake with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the sa	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must circle.	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
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Q.24	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the hori technically a circle and thus (2) broad. Yet we must of take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the sa story.	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
Q.24 Ans	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must of take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the satory. SubQuestion No: 24 Select the most appropriate option to fill in blank number 4.	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must of take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the satory. SubQuestion No: 24 Select the most appropriate option to fill in blank number 4. 1. discarded	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must clake with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the satory. SubQuestion No: 24 Select the most appropriate option to fill in blank number 4. X 1. discarded X 2. surplus	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must of take with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the satory. SubQuestion No: 24 Select the most appropriate option to fill in blank number 4. 1. discarded	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. One's options in this world are as (1) as the horitechnically a circle and thus (2) broad. Yet we must clake with (3) caution, for the footprints we leave (4) important as the (5) we will follow. They're part of the satory. SubQuestion No: 24 Select the most appropriate option to fill in blank number 4. X 1. discarded X 2. surplus	Status : Answered Chosen Option : 1 age carefully and zon, which is noose each step we	
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	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. One's options in this world are as (1) as the horizon, which is technically a circle and thus (2) broad. Yet we must choose each step we take with (3) caution, for the footprints we leave (4) are as important as the (5) we will follow. They're part of the same journey: our story.		
	SubQuestion No: 25		
Q.25	Q.25 Select the most appropriate option to fill in blank number 5.		
Ans	Ans X 1. approach		
	√ 2. path		
	★ 3. manner		
	X 4. custom		
	Question ID : 26433084948 Status : Answered Chosen Option : 2		