Combined Graduate level Examination 2023 Tier I			
Roll Number			
Candidate Name			
Venue Name			
Exam Date	21/07/2023		
Exam Time	9:00 AM - 10:00 AM		

Combined Graduate Level Examination Tier I 2023

Section: General Intelligence and Reasoning

Q.1 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.)

Horse: Mare

Ans 💜 1. Bull : Cow

Subject

X 2. Duck : Chick

X 3. Dog : Calf

X 4. Butterfly : Larva

Question ID : 26433068016 Status : Answered

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

Question ID: 26433067425 Status: Answered Chosen Option: 4

Q.3 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs, EXCEPT one. Find that odd number pair.

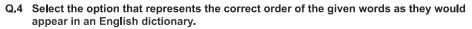
Ans X 1. (8, 62)

2. (10, 100)

X 3. (14, 194)

X 4. (12, 142)

Question ID: 264330143674 Status: Answered Chosen Option: 2



- 1. Calamity
- 2. Calcium
- 3. Calculus
- 4. Calmly
- 5. Calories
- 6. Calendar

Ans

- **X** 1. 1, 2, 3, 4, 5, 6
- **2.** 1, 2, 3, 6, 4, 5
- **X** 3. 2, 3, 1, 6, 4, 5
- **X** 4. 1, 3, 2, 6, 4, 5

Question ID : 264330132175 Status : Answered

Chosen Option : 2

Q.5 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '2'.

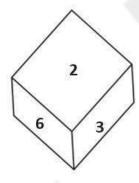


Figure 1

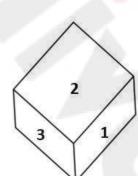


Figure 2

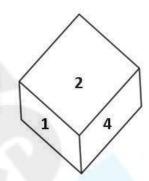


Figure 3

Ans X 1.4

X 2. 3

X 3.6

4.5

Question ID : 26433069067 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.

6:136::8:?::12:568

Ane

1. 248

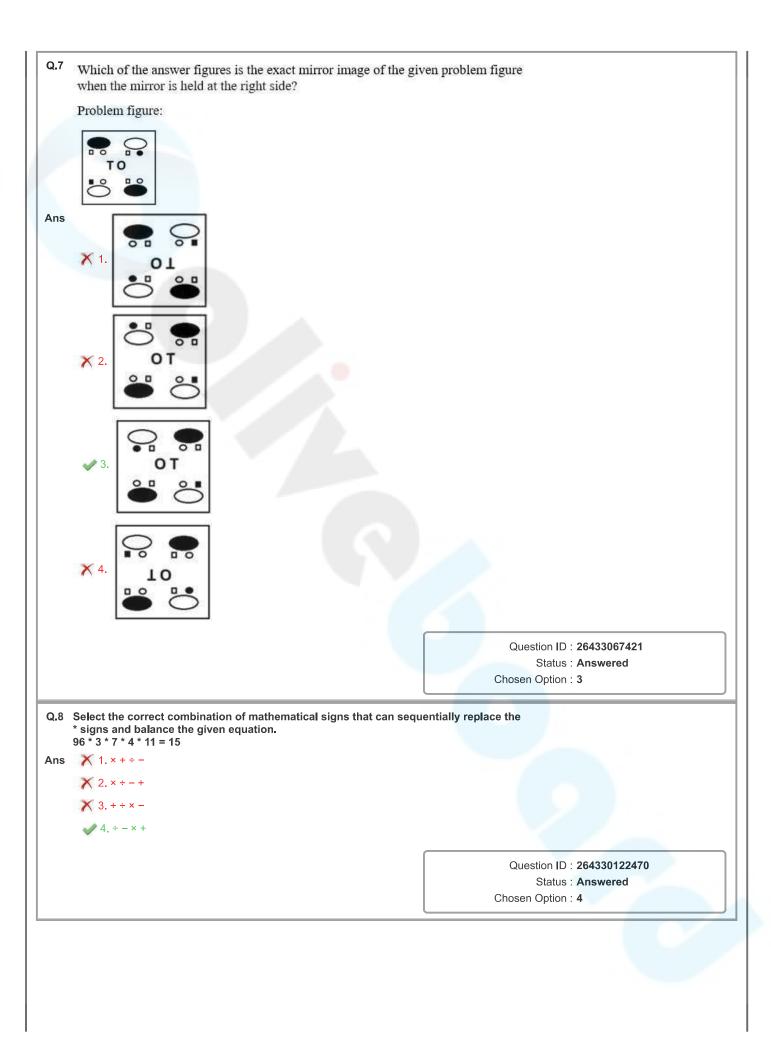
X 2. 284

X 3. 244

X 4. 288

Question ID: 26433078952

Status : Answered

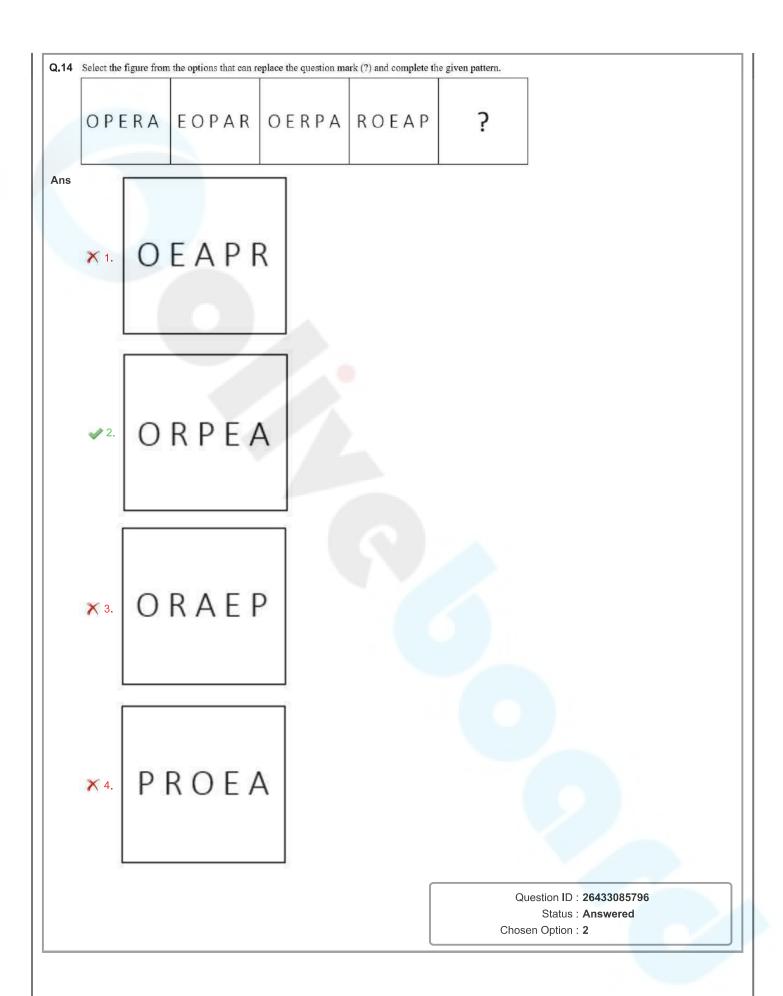


Q.9 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster ADAMS : DASMA :: TOWER : OTREW :: RAINY : ? 1. ARYNI X 2. YNIAR 💢 3. INYRA X 4. AINYR Question ID: 26433056396 Status : **Answered** Chosen Option : 1 Q.10 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) (26, 62, 140) (12, 39, 75) **Ans** X 1. (20, 38, 108) **2.** (20, 48, 108) **X** 3. (50, 48, 108) **X** 4. (20, 48, 98) Question ID: 264330123239 Status : Answered Chosen Option: 2 Q.11 Which of the following letter-clusters will replace the question mark (?) in the given series? EJCK, GMDO, IPES, ?, MVGA Ans X 1. KRFW X 2. KTFW 3. KSFW X 4. KRFV

> Question ID: 26433081755 Status: Answered

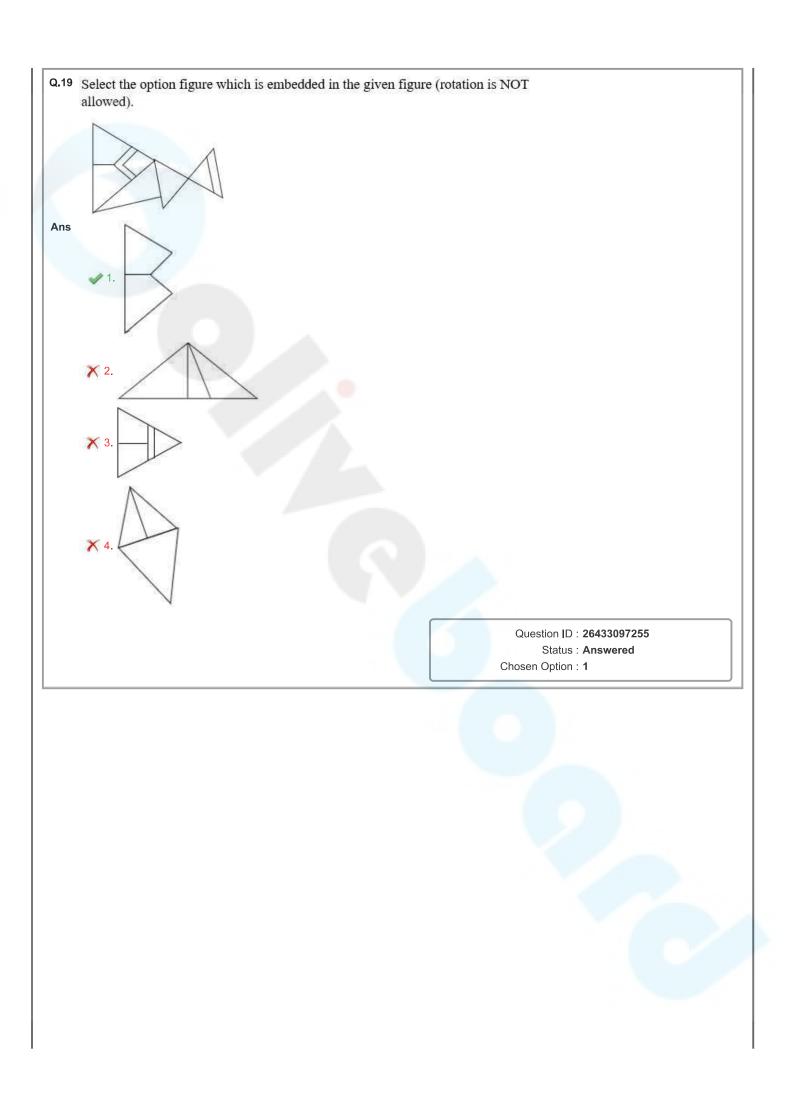
Q.12 Study the given pattern carefully and select the number that can replace the question mark (?) in it. (3, 5, 6) (5, 12, 15) (9, 4, ?) (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying 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) X 1. 13 X 2.9 **3.** 11 X 4.7 Question ID: 26433082462 Status : **Answered** Chosen Option: 3 Q.13 Select the set in which the numbers are related in the same way as are the numbers of the given set. the given set.

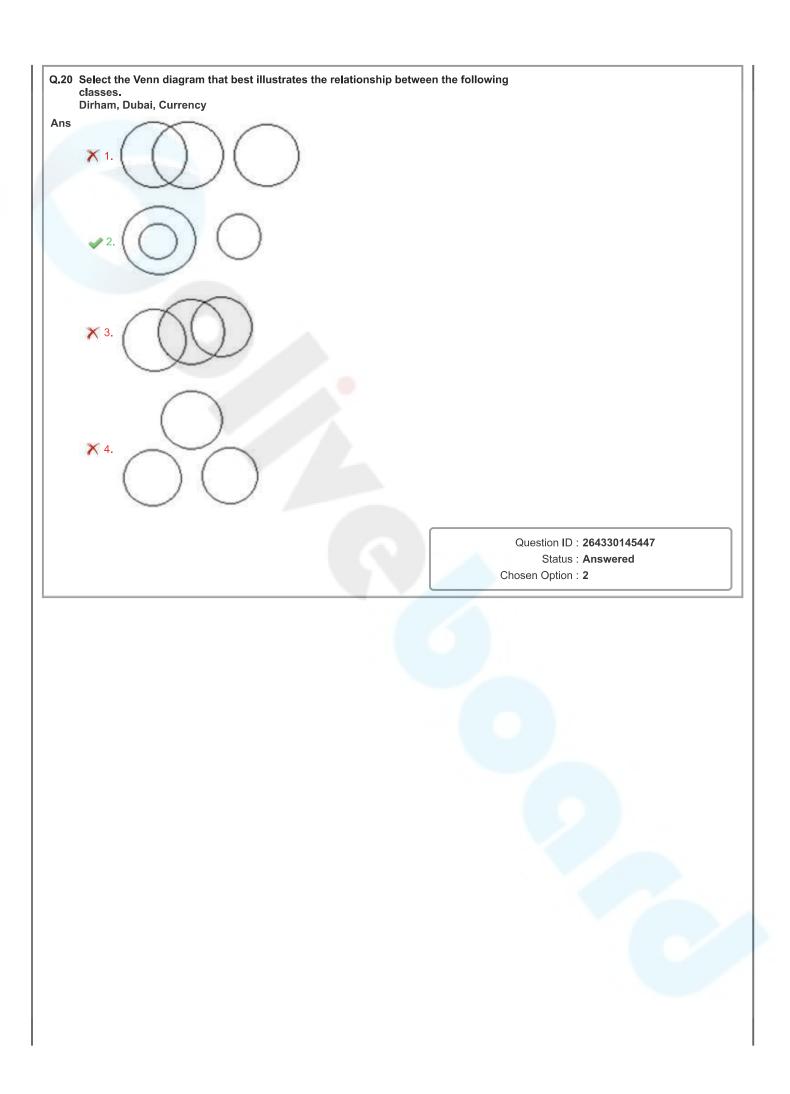
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (6, 16, 8)(5, 15, 9)**X** 1. (4, 12, 11) Ans **2.** (3, 11, 11) **X** 3. (3, 19, 11) **X** 4. (4, 32, 8) Question ID: 26433082876 Status: Answered Chosen Option: 2

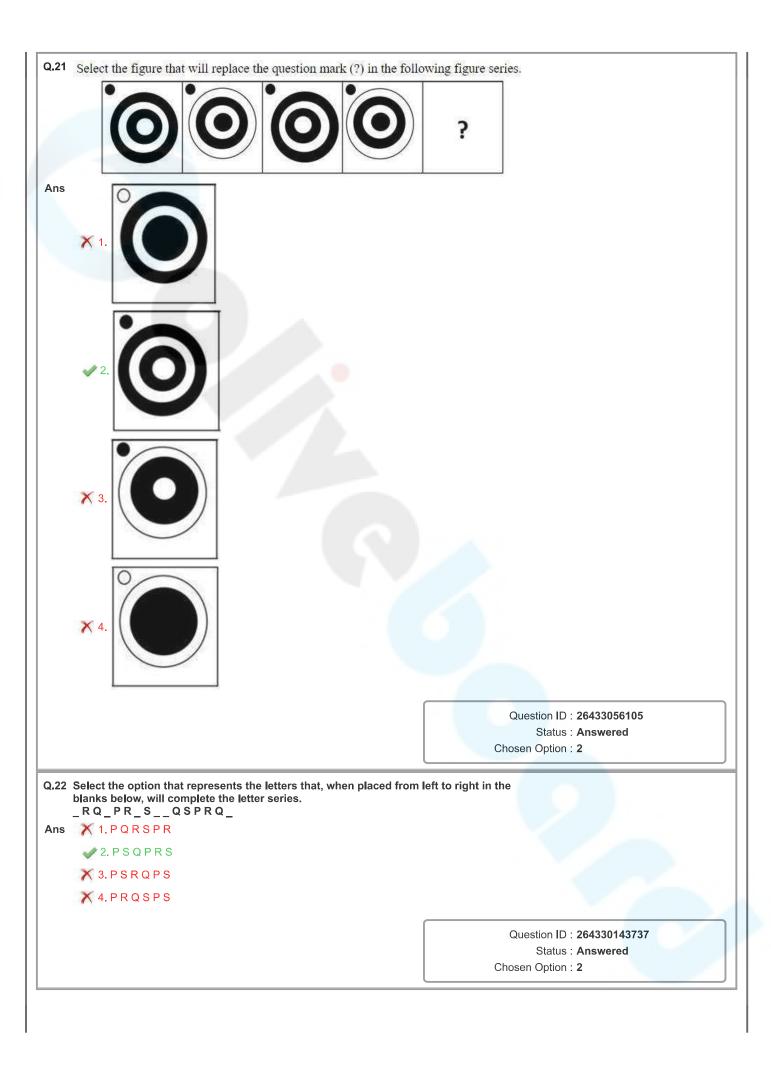


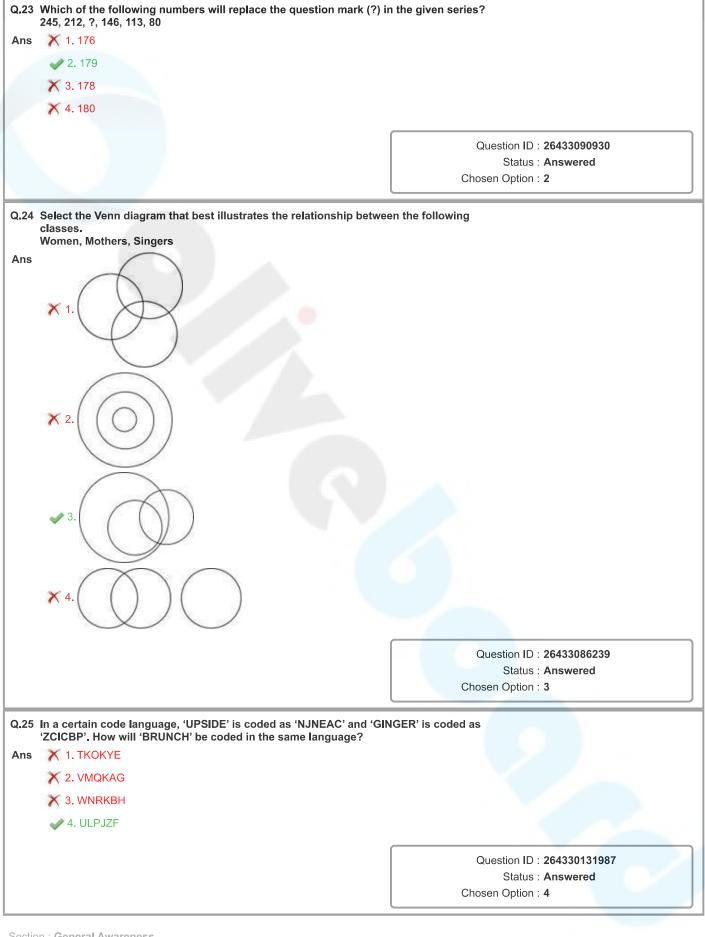
grandfather's granddaughter. Amil's father has no siblings. How is the girl related to Amil? X 1. Granddaughter 2. Sister 3. Paternal grandmother X 4. Mother Question ID: 264330118662 Status : **Answered** Chosen Option : 2 Q.16 In a certain code language, 'BREAD' is coded as RBBDA and 'FLOUR' is coded as LFLRU. How will 'PAINT' be coded in the same language? Ans X 1. AFPTN X 2. APLTN X 3. NTFAP 4. APFTN Question ID: 264330129760 Status: Answered Chosen Option: 4 Q.17 Which two signs should be interchanged to make the given equation correct? $459 + 17 \times 12 \div 72 - 47 = 349$ 1. ÷ and + Ans X 2. ÷ and – X 3. + and × X 4. - and + Question ID: 264330132503 Status: Answered Chosen Option: 1 Q.18 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster. ✓ 1. JPSW Ans X 2. BEJQ X 3. CFKR X 4. MPUB Question ID: 264330143765 Status: Answered Chosen Option: 1

Q.15 Amil points towards a girl and says she is his only daughter's father's paternal





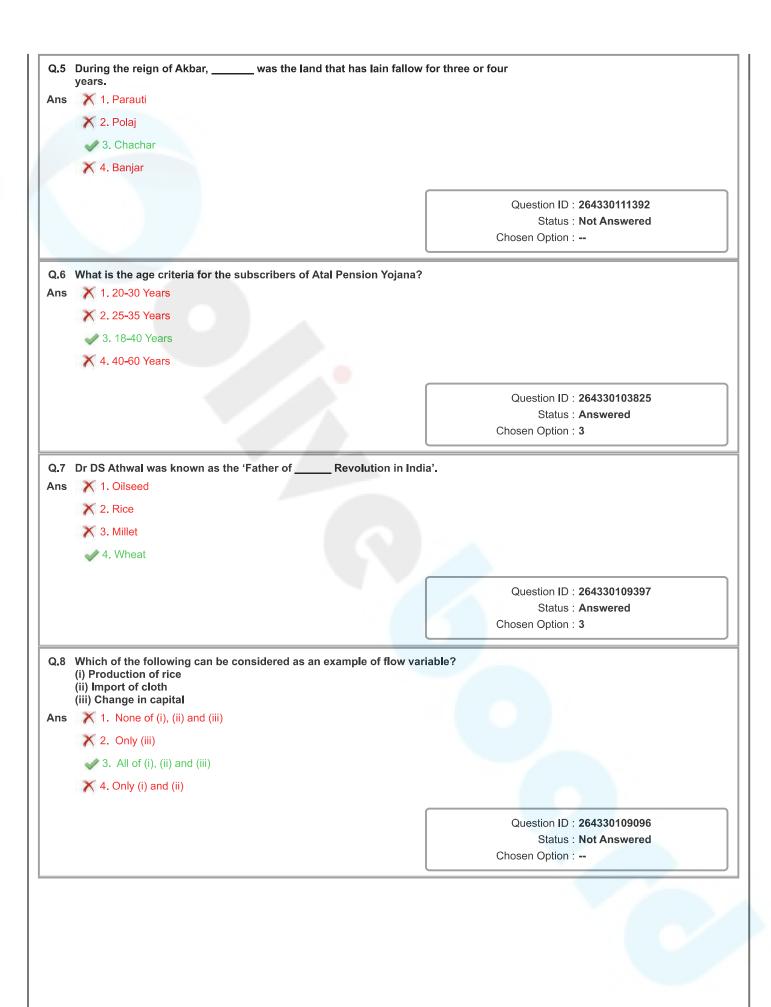




Section: General Awareness

of a family is not needed once two adults decide to marry? X 1. Satbir Singh v. State of Haryana X 2. Rahul Sharma v. National Insurance Company Ltd. X 3. Devilal v. State of Madhya Pradesh 4. Laxmibai Chandaragi v. The State of Karnataka Question ID: 26433092450 Status: Not Answered Chosen Option: --Q.2 Which of the following organic compounds is synonymous with olefiant gas which is used to make anaesthetics, refrigerants and other chemicals? 1. Ethylene Ans X 2. 1-Pentene X 3. Methane X 4. Butane Question ID: 264330110047 Status: Not Answered Chosen Option: --Q.3 Which of the following is NOT a tributary of the Godavari river? 1. Mahi Ans X 2. Pranhita 💢 3. Manjra 💢 4. Purna Question ID: 264330110652 Status: Not Answered Chosen Option: --Q.4 What is the significance of 26 January being chosen as a day to celebrate the Republic Day, aside from the adoption of the constitution? X 1. Revolution of 1857 Ans X 2. Foundation day of the Indian National Congress 3. Declaration of Purna Swaraj 💢 4. Day of the Champaran Satyagraha Question ID: 264330110457 Status: Answered Chosen Option: 3

Q.1 In February 2021, In which of the following cases did the Court observe that Consent



Q.9 How many main styles of Chhau folk dance exist? Ans X 1.7 **2.** 3 **X** 3.9 Question ID: 26433090762 Status: Not Answered Chosen Option: --Q.10 Which of the following countries will host the para badminton championship in 2023? Ans X 1. China X 2. India 3. Thailand X 4. Indonesia Question ID: 264330109710 Status : Answered Chosen Option: 2 Q.11 Who among the following freedom fighters lost his life during the protest against Simon Commission where black flags were waved at the Commission? 1. Lala Lajpat Rai Ans X 2. Chittaranjan Das X 3. Sachindra Nath Sanyal X 4. Surendranath Banerjee Question ID: 264330141513 Status: Answered Chosen Option: 1 Q.12 Select the correct option about Kwashiorkor. Statement A: It is a form of malnutrition caused by a lack of fat in the diet. Statement B: Children who develop Kwashiorkor may not grow or develop properly and may remain stunted for the rest of their lives. Ans ✓ 1. Only statement B is correct X 2. Both statements A and B are correct X 3. Both statements A and B are incorrect X 4. Only statement A is correct Question ID: 264330131791 Status: Answered Chosen Option: 1

Q.13 In Which year did John Newlands propound the 'Law of Octaves' an innovative concept proposing the periodicity of chemical elements arranged in the order of atomic weight? X 1. 1861 X 2. 1863 **3.** 1865 X 4. 1867 Question ID: 264330144046 Status : **Answered** Chosen Option : 2 Q.14 Which of the following parts of the Indian Constitution deals with fundamental rights? Ans X 1. Part IX X 2. Part VI X 3. Part XI 4. Part III Question ID: 264330113385 Status: Answered Chosen Option: 4 Q.15 FTX Crypto Cup is associated with which of the following sports events? Ans X 1. Snooker 2. Chess X 3. Billiards X 4. Golf Question ID: 264330109717 Status: Not Answered Chosen Option: --Q.16 Who among the following won the Padma award for the year 2023 for his efforts of reviving the traditional art of making Etikoppaka toys by adoption of eco-friendly technologies? Ans X 1. Victor Banerjee X 2. Devendra Jhajharia 💢 3. Radheyshyam Khemka 🥒 4. CV Raju Question ID: 264330133016 Status: Not Answered Chosen Option: --

Ans		The finance commission of India is required to make	recommendations to the	
Cuestion ID: 264330130462 Slatus: Answered Chosen Option: 1 Q.18 What do you call the glycocalyx when it is like a loose sheath in the cell envelope of bacteria? Ans	Ans	s v 1. President of India		
Question ID : 264330130462 Status : Answered Chosen Option : 1 Q.18 What do you call the glycocalyx when it is like a loose sheath in the cell envelope of bacteria? Ans		× 2. Ministry of Finance		
Question ID : 264330130462 Status : Answered Chosen Option : 1 Q.18 What do you call the glycocalyx when it is like a loose sheath in the cell envelope of bacteria? Ans		X 3. Parliament		
Q.18 What do you call the glycocalyx when it is like a loose sheath in the cell envelope of bacteria? Ans X 1. Mesoderm X 2. Capsule 3. Slime layer X 4. Organelle Question ID : 26433087871 Status : Not Answered Chosen Option : Q.19 Additi Mangal Das was conferred the Mahari Award for dance in 2022 for which of the following dance forms? Ans 1. Kathak X 2. Odissi X 3. Manipuri X 4. Bharatanatyam Question ID : 26433055420 Status : Not Answered Chosen Option : Q.20 The North-South corridor links which of the two major cities? Ans X 1. Leh and Vishakhapatnam X 2. Leh and Kanyakumari		X 4. Central Cabinet		
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X 2. Leh and Kanyakumari		_	or cities?	
118 2	Alla			
5. Shinagai and Vishakhapatham				
√ 4. Srinagar and Kanyakumari				
n onnagar and ranyakaman		n omagar and ranyanaman		
Question ID : 264330110638				
Status : Answered Chosen Option : 4				
Sitted Spinors, and the spinors of t				

Q.21 Who among the following gave the famous 'Do or Die' slogan during Quit India Movement? X 1. Abul Kalam Azad X 2. Jawaharlal Nehru X 3. Subhash Chandra Bose 4. Mahatma Gandhi Question ID: 264330106583 Status : Answered Chosen Option: 4 Q.22 Why do most parts of India receive rainfall from June to September? Ans 1. Due to the South-West monsoon X 2. Due to extremely cold nights in these regions X 3. Due to high pressure in these months X 4. Due to the North-east monsoon Question ID: 264330109943 Status: Answered Chosen Option: 4 Q.23 Shivaputra Siddharamayya Komkalimath is the original name of which of the following Indian classical singers? Ans X 1. Pandit Omkarnath Thakur 2. Pandit Kumar Gandharva X 3. Pandit Jasraj X 4. Pandit Dinkar Kaikini Question ID: 26433090694 Status: Not Answered Chosen Option: --Q.24 The national poverty line for 2011-12 was estimated at ___ month for urban areas of India. **X** 1. ₹3,000 Ans 2. ₹1,000 **X** 3. ₹2,000 **X** 4. ₹1,500 Question ID: 264330138115 Status: Not Answered Chosen Option: --



Ans X 1. Maharashtra

X 2. Haryana

X 3. Madhya Pradesh

4. Uttar Pradesh

Question ID: 264330114059 Status: Not Answered

Chosen Option: --

Section: Quantitative Aptitude

Q.1 Anuj and Anup have to travel from a place A to a place B in their respective cars. Anuj is driving at 70 km/h, and takes 3 halts of 10 minutes each, while Anup is driving at 80 km/h, and takes 4 halts of 15 minutes each. The time taken by Anup to reach Place B, if Anuj takes 8.5 hours, is:

Ans

1. 8 hours

X 2. 7 hours

X 3.4 hours

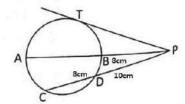
X 4.6 hours

Question ID: 264330109147

Status : Answered

Chosen Option: 1

Q.2 In the given figure, diameter AB and chord CD of a circle meet at P. PT is a tangent to the circle at T. If CD = 8 cm, PD = 10 cm and PB = 8 cm, find AB.



Ans

1. 14.5 cm

X 2. 22.5 cm

X 3. 12 cm

X 4.8 cm

Question ID: 26433079794

Status: Answered

Q.3 If secA + tanA = 3, then cosA is equal to:

Ans

Question ID : 26433075835 Status : Answered

Chosen Option : 2

Q.4 If x + y = 7 and xy = 19, then calculate the value of $x^2 + y^2$.

Ans X 1. 17

X 2. 12

3. 11

X 4. 19

Question ID: 264330126621

Status: Answered

Chosen Option: 3

Q.5 Which of the following options is NOT a correct trigonometric identity?

- Ans \times 1. 1 + $\cot^2\theta = \csc^2\theta$
 - χ 2. 1 + tan² $\theta \equiv \sec^2 \theta$
 - $X 3.1 \sin^2\theta \equiv \cos^2\theta$
 - \checkmark 4. $\cos^2\theta \sin^2\theta \equiv 1$

Question ID: 264330143582

Status : Answered

Chosen Option: 4

Q.6 The volume of a cuboid is twice that of a cube. If the dimensions of the cuboid are (8 m × 8 m ×16 m), the total surface area of the cube is:

- Ans × 1. 316 m²
 - X 2. 288 m²
 - \times 3. 324 m²
 - ✓ 4. 384 m²

Question ID: 26433075485

Status : Answered

Q.7 Simplify the given expression.
$$(a-2b) (b-3a) + (a+b) (a-3b) - (b-3a) (4a-5b)$$

 \times 2. 8a² + 10ab

$$\sqrt{3.10a^2 - 14ab}$$

X 4. 10a² – 4ab

Question ID: 264330129975

Status: Not Answered

Chosen Option : --

Q.8 If (a + b + c) = 12, and (ab + bc + ca) = 47, find the value of $(a^3 + b^3 + c^3 - 3abc)$.

Ans X 1. 24

2. 36

X 3.48

X 4.42

Question ID: 264330101362

Status : Answered

Chosen Option: 2

Q.9 Find the value of the given expression: $10 \div 5 \times 1 + 3 - [8 - \{5 - (7 - 7 - 9)\}]$

X 2. 10

X 3.9 **X** 4.8

Question ID: 264330143505

Status : Answered

Chosen Option : 1

Q.10 What is the value of $sec^2\theta - cot^2(90^\circ - \theta)$?

Ans X 1.2

2. 1

X 3. −1

X 4.0

Question ID: 26433075302

Status: Answered

work in 30 days, then in how many days can B alone complete the same work? X 2.40 **3.** 60 X 4.50 Question ID: 264330119431 Status: Answered Chosen Option: 3 Q.12 A worker completes $\frac{3}{5}$ of a work in 12 days. In how many days will be complete $\frac{3}{4}$ of the work? Ans X 2.20 X 3. 16 **4.** 15 Question ID: 264330103333 Status: Answered Chosen Option: 4 Q.13 The weights (in kg) of five girls of a class are 49, 42, 61, 55 and 58. What is the average weight (in kg) of these five girls? Ans 1.53 X 2.54 X 3.51 X 4.52 Question ID: 264330103932 Status: Answered Chosen Option: 1 Q.14 Anand covers a certain distance in the first lag of 5 hours at the speed of 50 km/h. In the second lag, he increased the speed by 20% due to which he covered 20% extra distance than that of the first lag. He covered the third lag at the average speed of the first two lags and covered 10% extra distance than that of the second lag distance. How much total time (in hours) did he take to complete all three lags? **1.** 16 Ans X 2.15 **X** 3. 18 **X** 4. 14 Question ID: 264330130014 Status: Answered Chosen Option : 1

Q.11 If A and B together can do a piece of work in 20 days, and A alone can do the same

Q.15 The monthly income of a person was ₹12,000 and his monthly expenditure was ₹8,000. Next year, his income increased by 10% and his expenditure by 8%. Find the percentage increase in his savings.

Ans

× 1. 10%

2. 14%

× 3. 12%

× 4. 15%

Question ID: 264330102336 Status : Answered

Chosen Option : 2

Q.16 At simple interest a sum of ₹6,400 becomes ₹8,320 in 3 years. What will ₹7,200 become in 5 years at the same rate?

Ans X 1. ₹10,200

X 2. ₹10,600

3. ₹10,800

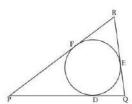
X 4. ₹10,400

Question ID: 264330104192

Status : **Answered**

Chosen Option : 3

Q.17 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 = 18 cm, QR = 13 cm and RP = 15 cm, then find the length of PD.



√ 1. 10 cm

X 2.8 cm

X 3. 15 cm

X 4. 12 cm

Question ID: 264330122099

Status: Answered

Q.18 A works 3.5 times as fast as B, and A takes 45 days less than B to complete a job when each works alone. Calculate the number of days taken to complete the same job if A and B work together.

X 1. 10.5

X 2. 17.5

Question ID: 264330101325

Status : **Answered**

Chosen Option : 4

Q.19 Solve the following expression. 50 - [20 + (30 - (25 - 5))]

Ans X 1. 10

X 2.30

3. 20

X 4.40

Question ID: 26433066349

Status : Answered

Chosen Option: 3

Q.20 A sold an article to B at 25% profit and B further sold it to C by earning a certain profit. If the cost price of C is 30% more than the cost price of A, then find the profit percentage earned by B.

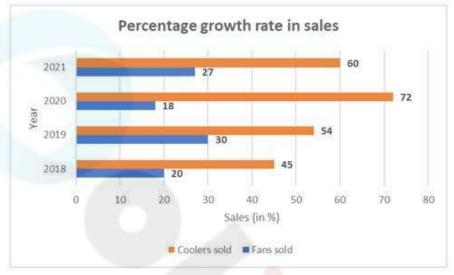
Ans

2. 4%
★ 3. 5%
★ 4. 4½%

Question ID: 26433087360

Status: Answered

Q.21 The following figure shows the percentage growth in units of fans and coolers sold in some years. What is the difference between the averages of the growth rate in coolers and fans?



Ans

1. 34

X 2.30

X 3.32

X 4.42

Question ID: 264330130029

Status : Answered

Chosen Option : 1

Q.22 Raghav covers a distance of 3300 m in 45 minutes. What is his speed (in km/h)?

Ans X 1.5

2.4.4

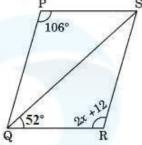
X 3. 2.25

X 4. 3.75

Question ID: 264330130013

Status : Answered

Q.23 In the given figure, $\triangle QPS \cong \triangle SRQ$. Find the measure of $\angle PSR$.



Ans X 1.64°

√ 2. 74°

X 3.52°

X 4.82°

Question ID : 264330126612 Status : Answered

Chosen Option : 2

Q.24 If successive discounts of 5%, 10% and p% are equivalent to a single discount of 31.6%, then the value of p is:

Ans X 1. 15

X 2. 25

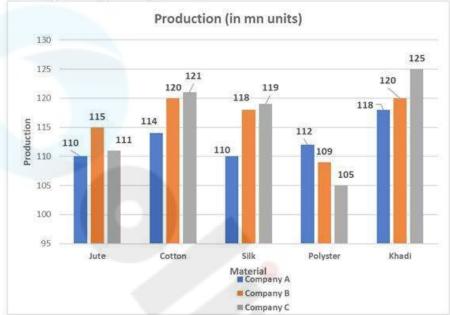
3.20

X 4. 30

Question ID : 264330103537 Status : Answered

Q.25 What is the difference between the total production of Cotton and Khadi?

Note: Ignore negative sign, if any



Ans X 1. 10

X 2. 11

3. 8

X 4. 7

Question ID: 26433080384 Status : Answered

Chosen Option: 3

Section: English Comprehension

Q.1 Select the most appropriate ANTONYM of the given word.

Perseverance

Ans

1. Irresolution

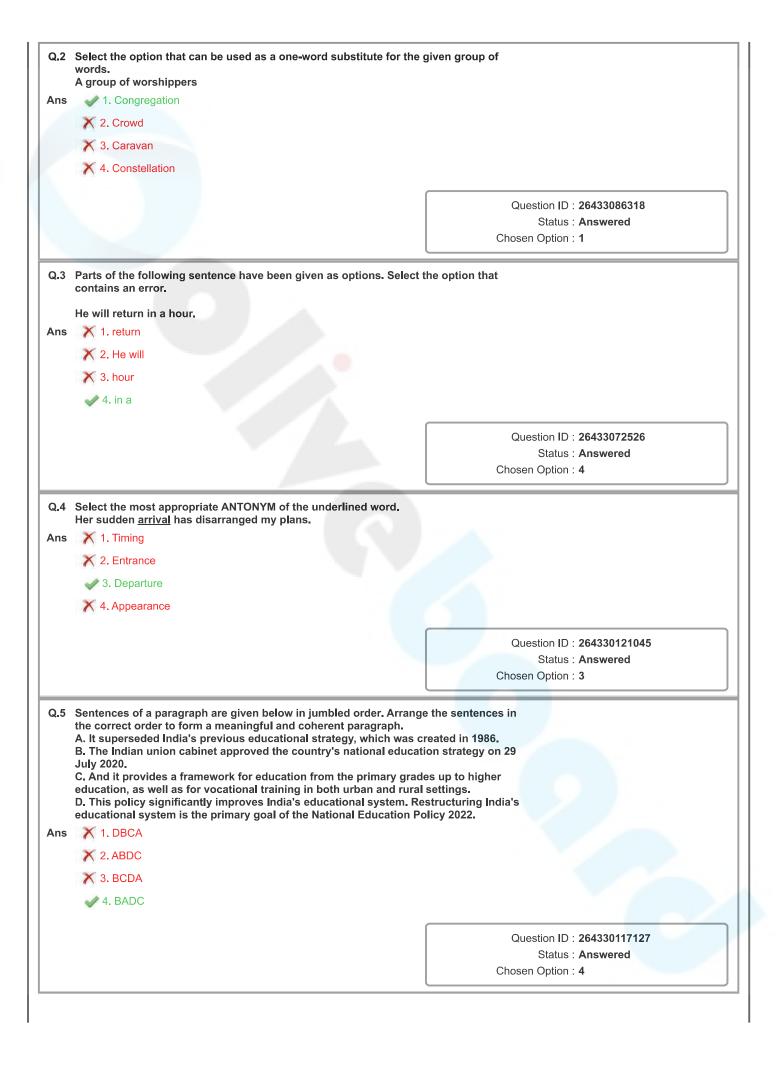
X 2. Obstinacy

X 3. Readiness

X 4. Eloquence

Question ID: 26433089387

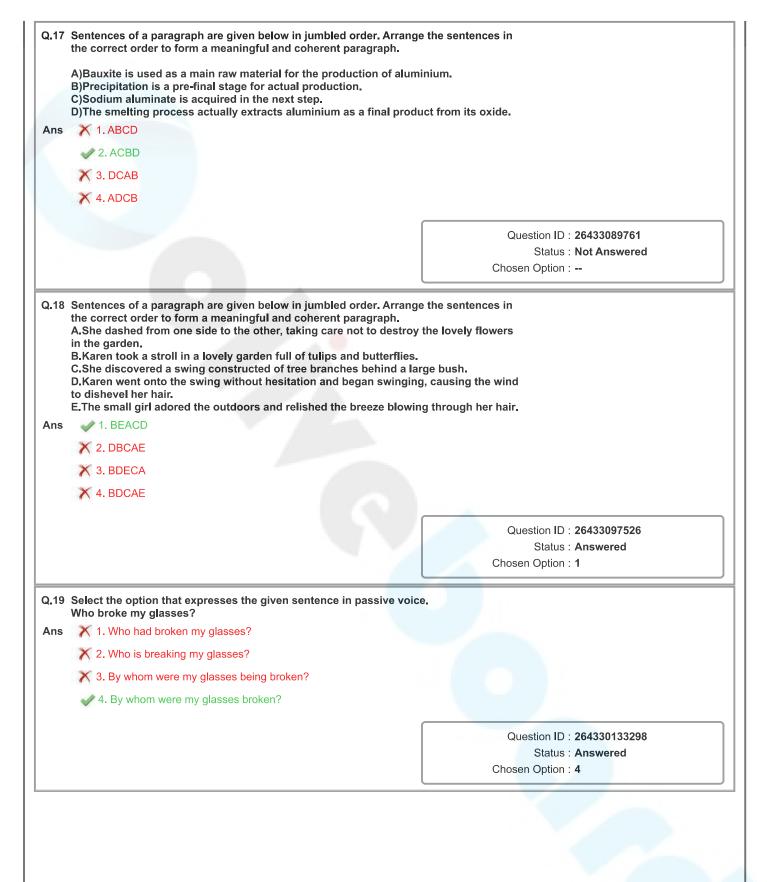
Status: Answered



Select the most appropriate phrasal verb to fill in the blank. Q.6 the charge of Centre for Life Skills from Mustafa. Mohan __ X 1. took out X 2. took through X 3. took off 4. took over Question ID: 26433084922 Status: Answered Chosen Option: 4 Q.7 Identify the sentence that provides the meaning of the given idiom. Under the cloud Ans X 1. The classmates were dancing together under the rain. 2. The driver was under suspicion after the police found blood on his car. X 3. The Red fort looks beautiful amidst the cloudy weather and cold atmosphere. X 4. It was the best place to sit under the sky with hands full of food. Question ID: 26433089818 Status: Answered Chosen Option: 2 Q.8 Choose the option that can substitute the underlined segment correctly and complete the meaning of the sentence. Bajrang is in extreme pain in his teeth. X 1. Ache Ans 2. Agony X 3. Hurt X 4. Sting Question ID: 26433096218 Status: Answered Chosen Option: 1 Q.9 Select the INCORRECTLY spelt word. Ans X 1. Nocturnal 2. Repulcive X 3. Scoreboard X 4. Irrespective Question ID: 264330120771 Status: Answered Chosen Option: 2

Q.10 Select the most appropriate ANTONYM of the word 'Unsure' from the given sentence. Himanshi is preparing customised gifts and handicrafts for surprising Mehul on his retirement, but the date is not certain yet. X 1. date 2. certain X 3, customised X 4. handicrafts Question ID: 26433089835 Status : **Answered** Chosen Option : 2 Q.11 Select the most appropriate ANTONYM of the underlined word. He was <u>acquitted</u> of all the charges in the court today. X 1. Conformed Ans X 2. Discharged X 3. Praised 4. Convicted Question ID: 26433084668 Status : Answered Chosen Option: 4 Q.12 Select the most appropriate ANTONYM of the underlined word. Her modest behaviour was appreciated by everyone in the assembly. Ans X 1. distant X 2. unpresuming 3. conceited X 4. obvious Question ID: 264330141555 Status: Not Answered Chosen Option: --Q.13 Select the most appropriate synonym of the word given in brackets to fill in the blank. She looked_ _(luminous) in the diamond necklace. Ans X 1. impudent X 2. strident X 3, transcendent 4. resplendent Question ID: 264330141151 Status: Not Answered Chosen Option: --

Q.14 Select the most appropriate meaning of the given idiom. Once in a blue moon X 1. Very ancient X 2. Very colorful 3. Very rare X 4. Very high Question ID : 26433088573 Status : Answered Chosen Option: 3 Q.15 Select the option that expresses the given sentence in passive voice. Who teaches her geography? **Ans** X 1. By who geography is taught to her? X 2. By whom she is taught geography? 3. By whom is she taught geography? X 4. By whom was she taught geography? Question ID: 264330141106 Status: Answered Chosen Option: 3 Q.16 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.Because of the region's scorching heat and aridity, a considerable amount of water evaporates. B.As a result, the salt and other minerals become increasingly concentrated. C.It is then unable to exit the lake and is forced to evaporate. D.The Dead Sea is one of the saltiest bodies of water on the planet, with about ten times the salt content of typical saltwater. E.This is because water flows into the Dead Sea from a single primary tributary, the Jordan River. √ 1. DECAB Ans X 2. DCBAE X 3. DEABC X 4. DACEB Question ID: 26433097525 Status : Answered Chosen Option: 3



Q.20	Select the correctly spelt option that can substitute the und sentence.	derlined word in the given
	Her <u>duel</u> attitude misguides everyone.	
Ans	X 1. daul	
	X 2. deul	
	✓ 3. dual	
	X 4. dwell	
	.,	
		Question ID : 264330117185
		Status : Answered
		Chosen Option : 3
_		
	Comprehension:	d About and a confidence of
	In the following passage, some words have been deleted. Read select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2)	
	They can be used for (3) purposes ranging from telling	ng people to be cautious as the
	floor is wet, to informing them about an upcoming sale or event picture (4) very few words. A suitable (5) m	
	memorable.	and a pooler endenive and
	SubQuestion No : 21	
Q.21	Select the most appropriate option to fill in blank no. 1.	
Ans	X 1. use	
	X 2. uses	
	★ 3. being use	
	✓ 4. used	
	4. useu	
		Question ID : 264330139360
		Status : Answered
		Chosen Option : 4
	Comprehension:	
	In the following passage, some words have been deleted. Reac select the most appropriate option to fill in each blank.	d the passage carefully and
	Posters are (1) to promote a brand or pass (2)	important information.
	They can be used for (3) purposes ranging from tellin floor is wet, to informing them about an upcoming sale or event	ng people to be cautious as the t. They usually include a
	picture (4) very few words. A suitable (5) m	
	memorable.	
	SubQuestion No : 22	
	Select the most appropriate option to fill in blank no. 2.	
Ans		
	√ 2. on	
	X 3. for	
	X 3. for	Question ID : 264330139361

	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. Posters are (1) to promote a brand or pass (2) important information. They can be used for (3) purposes ranging from telling people to be cautious as the floor is wet, to informing them about an upcoming sale or event. They usually include a picture (4) very few words. A suitable (5) makes a poster effective and memorable.		
	SubQuestion No : 23		
Q.23	.23 Select the most appropriate option to fill in blank no. 3.		
Ans	X 1. little		
	✓ 2. varied		
	X 3. much		
	X 4. similar		
		Question ID: 264330139362	
		Status : Answered	
		Chosen Option : 2	
	Comprehension:		
		the passage carefully and	
	In the following passage, some words have been deleted. Read select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable.	_ important information. people to be cautious as the They usually include a	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma	_ important information. people to be cautious as the They usually include a	
Q.24	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable.	_ important information. people to be cautious as the They usually include a	
Q.24 Ans	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4.	_ important information. people to be cautious as the They usually include a	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4.	_ important information. people to be cautious as the They usually include a	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4. X 1. nor	_ important information. people to be cautious as the They usually include a	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4. X 1. nor 2. and	_ important information. people to be cautious as the They usually include a	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4. X 1. nor 2. and 3. yet	_ important information. people to be cautious as the They usually include a ses a poster effective and	
	select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) They can be used for (3) purposes ranging from telling floor is wet, to informing them about an upcoming sale or event. picture (4) very few words. A suitable (5) ma memorable. SubQuestion No : 24 Select the most appropriate option to fill in blank no. 4. X 1. nor 2. and 3. yet	_ important information. people to be cautious as the They usually include a	

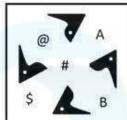
In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Posters are (1) to promote a brand or pass (2) important information. They can be used for (3) purposes ranging from telling people to be cautious as the floor is wet, to informing them about an upcoming sale or event. They usually include a picture (4) very few words. A suitable (5) makes a poster effective and memorable.	
SubQuestion No : 25	
Q.25 Select the most appropriate option to fill in blank no. 5.	
Ans 1. caption	
X 2. anticipation	
X 3. quotation	
X 4. caution	
Question	ID : 264330139364
State	us : Answered
Chosen Option	on : 3

Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	i i I i
Exam Date	21/07/2023
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2023

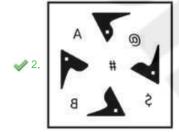


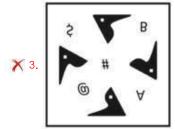
Q.1 Select the correct mirror image from the following options, when the mirror is placed on the right side of the given figure.

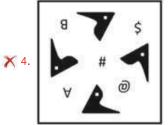


Ans



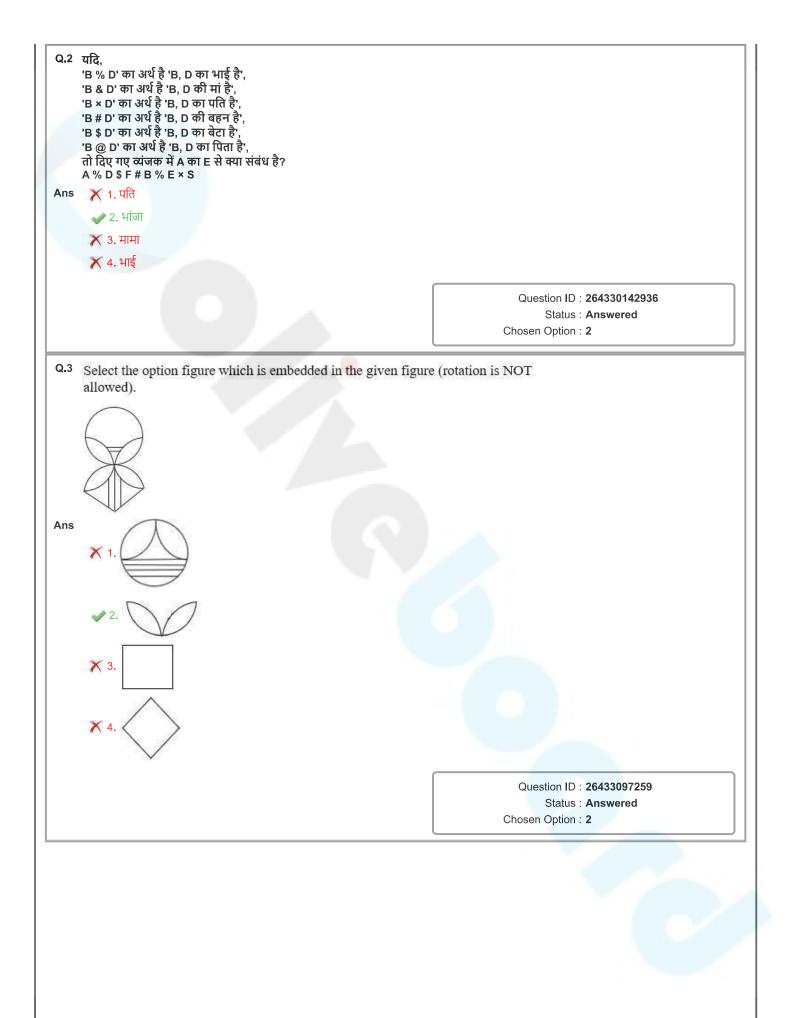






Question ID : 264330103201 Status : Answered

Chosen Option : 2



Q.4 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair.

X 1. (7, 89)

X 2. (8, 102)

3. (5, 60)

X 4. (6, 76)

Question ID: 264330143690

Status : **Answered**

Chosen Option: 3

Q.5 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.

MOTHER: SGKXTS:: SIMPLE: FNSQNY:: DELIGHT:?

X 1. UJJMQJJ

X 2. VJJMQKK

X 4. THGILED

Question ID: 26433090020 Status : Answered

Chosen Option: 1

Q.6 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Phantom

2. Photograph
3. Philosophy

4. Physical 5. Pharynx

6. Physics

Ans X 1. 5, 1, 3, 2, 4, 6

X 2. 1, 5, 3, 2, 6, 4

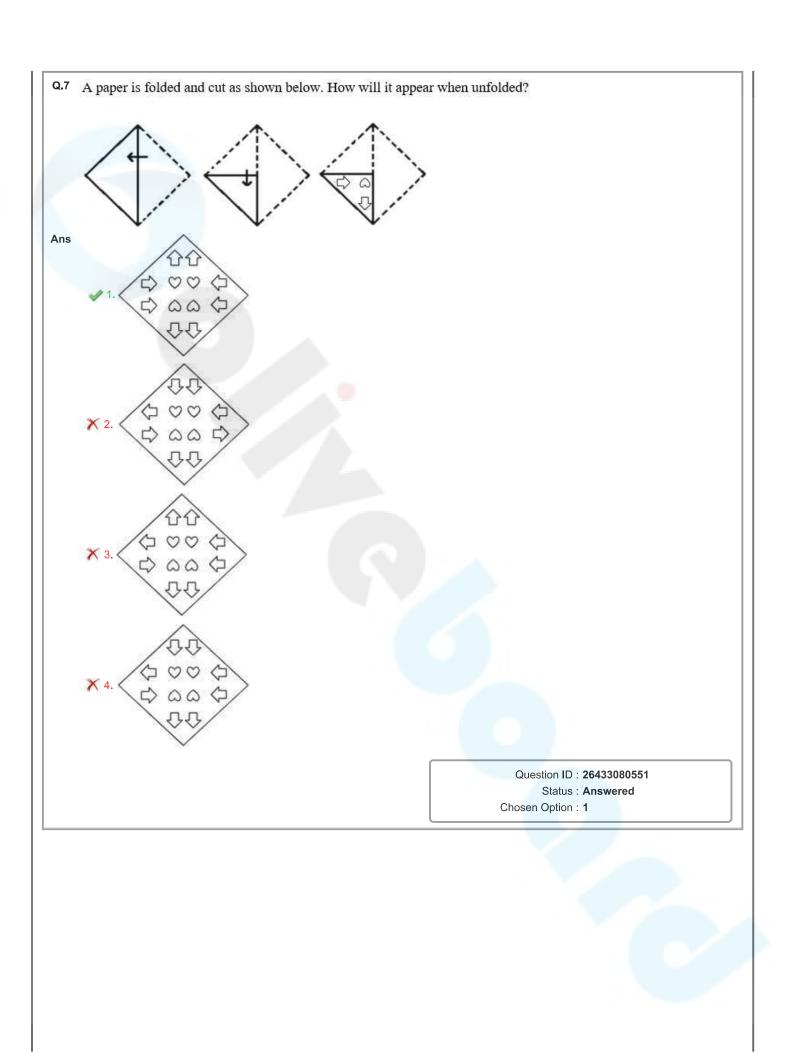
3. 1, 5, 3, 2, 4, 6

X 4. 5, 1, 3, 2, 6, 4

Question ID: 264330129461

Status: Answered

Chosen Option: 3



Q.8 Three statements are given, followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: Some trees are leaves. Some leaves are flowers. Some flowers are branches. Conclusions: I. Some trees are flowers. II. Some leaves are branches. III. Some branches are flowers. IV. Some branches are leaves. Ans X 1. Only conclusions II and III follow X 2. Only conclusions I and II follow 3. Only conclusion III follows X 4. None of the conclusions follow Question ID: 26433085686 Status : Answered Chosen Option: 3 Q.9 In a certain code language, 'BEAK' is coded as '4392' and 'RAKE' is coded as '9034'. What is the code for 'B' in the given code language? **2.** 2 **X** 3.4 Question ID: 264330126002 Status: Answered Chosen Option: 2 Q.10 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
(5, 14, 3)
(3, 24, 7)
(9, 30, ?)
(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 2.5 **X** 3, 13 X 4.9 Question ID: 26433082468 Status: Answered Chosen Option: 1

Q.11 In this question, 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 follows/follow from the statements.

Statements:

Some mirrors are glass. All glass are taps. Some taps are pens.

Conclusions:

- I. Some glass are mirrors.
- II. All taps are glass.
- III. Some pens are taps.

Ans X 1. None of the conclusions follows.

X 2. Only conclusions I and II follow.

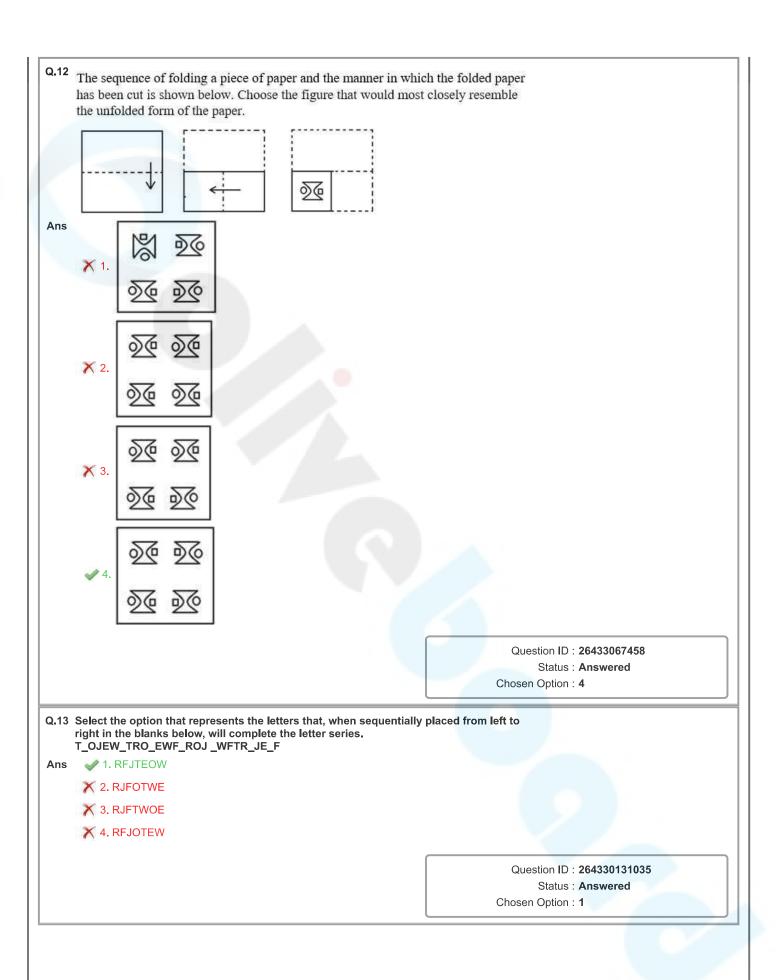
X 3. Only conclusion II follows.

4. Only conclusions I and III follow.

Question ID : 264330114233

Status : Answered

Chosen Option : 4



Q.14 Which two numbers and two signs should be interchanged in the following equation to make it correct?

$$7 \times 14 \div 6 + 12 + 6 = 30$$

Ans X 1. 7 and 6, × and ÷

X 3. 7 and 6, ÷ and +

X 4.7 and 14, × and +

Question ID: 26433097214

Status : **Answered** Chosen Option : **2**

Q.15 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

160 : 4 :: 250 : 5 :: 360 : ?

Ans 🧼 1. 6

X 2.9

X 3.4

X 4. 10

Question ID : 26433082870

Status: Answered

Chosen Option: 1

Q.16 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.

74 * 34 * 78 * 23 * 23 * 30

Ans \times 1. ÷, -, +, ×, =

X 2. +, ÷, ×, -, =

3. +, −, +, −, =

X 4. -, ÷, +, ×, =

Question ID: 26433068674

Status : Answered

Chosen Option : 4

Q.17 Select the set in which the numbers are related in the same way as are the numbers of the given 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) (5, 30, 60)

(11, 66, 132)

Ans X 1. (6, 42, 148)

2. (14, 84, 168)

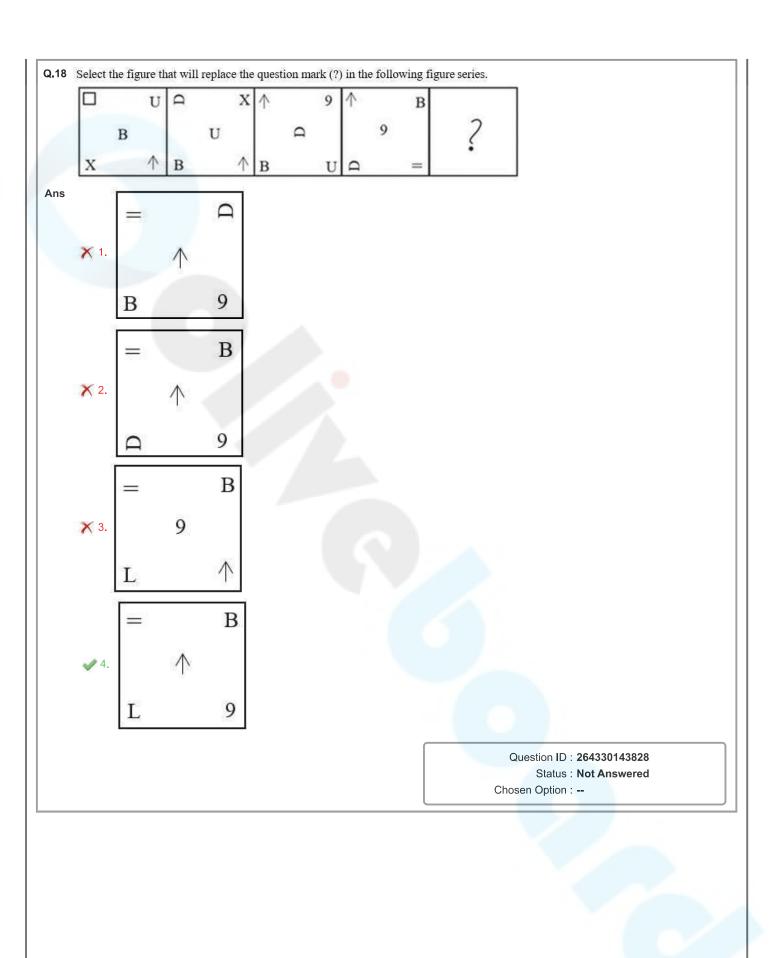
3. (14, 16, 118)

X 4. (2, 10, 16)

Question ID: 264330130207

Status : Answered

Chosen Option: 2



Q.19 Select the figure from the options that can replace the question mark (?) and complete the given pattern. d n Э Ans P X 1. C **X** 2. Р **X** 3. Р C Question ID : 26433085793 Status: Not Answered Chosen Option : --

Q.20 Which of the following letter-clusters will replace the question mark (?) in the given series? EIMC, DKOD, CMQE, ?, AQUG X 1. CPSF X 2, COSF X 3. BPSF 4. BOSF Question ID: 26433089978 Status : Answered Chosen Option: 4 Q.21 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. IDEOLOGY: YGILIYDC:: HARDWARE: YRUWDRUH:: ISOLATED:? Ans X 1. XCVFWIA X 2. BUSIMAQS X 3. JOKLERD 4. DYTULISC Question ID: 26433069028 Status: Not Answered Chosen Option: --Q.22 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. 321 * 3 * 236 * 5 * 248 * 4 * 20 = 384 Ans ✓ 1, +, −, ×, +, ÷, × X 2. -, +, ×, -, ÷, + X 3. ÷, +, -, ×, +, -X 4. ×, +, -, ÷, +, -Question ID : 26433056524 Status: Answered Chosen Option: 2 Q.23 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series. P__MO_ST_OP_TM__S_MO ✓ 1. STPMSOPT Ans X 2. TSSMPOPT X 3. STSMPOPT X 4. STPSMOPT Question ID: 26433090001 Status: Answered Chosen Option: 1

Q.24 In a certain code language, 'CHORUS' is coded as UVTPJD and 'ANTHEM' is coded as OFJUPB. How will 'VOLUME' be coded in the same language? X 1. GNXMPW X 2. GNWNPW X 3. HMWNPV 4. GNWMQW Question ID: 264330132216 Status : **Answered** Chosen Option: 4 Q.25 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. 121 : 12 :: 225 : 16 :: 441 :? Ans X 1. 21 X 2.19 **X** 3. 23 Question ID: 26433082874 Status: Answered Chosen Option: 4 Section: General Awareness Q.1 Which Article of the Indian Constitution stipulates that the law declared by the Supreme Court shall be binding on all courts within the territory of India? 1. Article 141 Ans X 2. Article 140 X 3. Article 142 X 4. Article 145 Question ID: 264330114498 Status: Not Answered Chosen Option: --Q.2 Who among the following Sultans of Delhi started the system of Sijda and Paibos? Ans X 1. Muhammad Bin Tughluq X 2. Nasir ud din Muhammad X 4. Qutb ud-Din Aibak Question ID: 264330113566 Status : **Answered** Chosen Option: 3

	Someity is related to which of the following events?	
Ans	X 1. Tokyo Olympics 2020	
	X 2. Winter Olympics 2022	
	X 3. Commonwealth games 2022	
	✓ 4. Tokyo paralympic 2020	
		Question ID : 264330132367
		Status : Answered
		Chosen Option : 4
Q.4	Pandit Kishan Maharaj of Benaras Gharana was a player.	
Ans	X 1. santoor	
	× 2. flute	
	X 3. sarangi	
	√ 4. tabla	
		Question ID : 26433090692
		Status : Answered
		Chosen Option : 4
Q.5 Ans	Identify the last element from the fifth period. 1. Helium	
Allo	× 2. Yttrium	
	X 3. Rubidium	
	✓ 4. Xenon	
	4. Aerion	
		Question ID: 264330144063
		Status : Answered
		Chosen Option : 3
Q.6	The largest freshwater lake of India is	
Ans	X 1. Chilika	
	× 2. Koleru	
	X 3. Vembanad	
	✓ 4. Wular	
		Question ID : 26433066520
		Status : Answered
		Chosen Option : 4
Q.7	Which of the following rights is guaranteed by Article 25 of the Indi	an Constitution?
Ans	✓ 1. Right to freedom of religion	an constitution?
	X 2. Cultural and educational rights	
	X 3. Right to equality	
	X 4. Right to constitutional remedies	
		Question ID: 264330110788
		Status : Answered
		Chosen Option : 1

Q.8 Which water body separates Andaman in the north and Nicobar in the south? 1. Ten Degree Channel X 2. Eight Degree Channel X 3. Eleven Degree Channel X 4. Nine Degree Channel Question ID: 264330110650 Status : **Answered** Chosen Option: 1 Q.9 On 30 January 2023, the two-day meeting of the first International Financial Architecture Working Group of G-20, being held under the chairmanship of India, was inaugurated by the Union Minister of Agriculture and Farmers Welfare, Narendra Singh Tomar and Minister of Food Processing Industries, Pashupati Kumar Paras in Ans X 1. Bhubaneswar X 2. New Delhi X 3. Mumbai 4. Chandigarh Question ID: 264330132588 Status : Answered Chosen Option: 2 Q.10 Who among the following Mauryan rulers conquered Kalinga? Ans 1. Ashoka X 2. Bindusara X 3. Brihadratha X 4. Chandragupta Maurya Question ID: 264330114063 Status: Answered Chosen Option: 1 Q.11 The term 'Straight drive' is related to which of the following sports? Ans X 1. Hockey 2. Cricket X 3. Football X 4. Badminton Question ID: 264330144208 Status: Not Answered Chosen Option: --

Q.12 Which organic compound has a pleasant almond aroma that is commonly used to impart almond flavour to chocolate and baked goods? X 1. Manzanate 2. Benzaldehyde X 3. Ethyl maltol X 4. Isoamyl acetate Question ID: 264330113490 Status: Not Answered Chosen Option: --Q.13 शुद्ध राष्ट्रीय उत्पाद (Net National Product) क्या होता है? Ans 🗶 1. सकल राष्ट्रीय उत्पाद और मूल्यहास का गुणनफल शुद्ध राष्ट्रीय उत्पाद होता है। 🗶 2. सकल राष्ट्रीय उत्पाद और विदेशियों की आय का योग शुद्ध राष्ट्रीय उत्पाद होता है। 🗙 3. शुद्ध राष्ट्रीय उत्पाद सकल राष्ट्रीय उत्पाद के बराबर होता है। 🥒 ४. सकल राष्ट्रीय उत्पाद और मूल्यहास का अंतर शुद्ध राष्ट्रीय उत्पाद होता है। Question ID: 26433054581 Status: Answered Chosen Option: 4 Q.14 Match the columns. Column-B (Role in DNA replication) Column-A (Enzyme/Protein) a. Joins the 3' end of the new DNA i. Helicase fragment to the 5' end of the previous one ii. RNA primase b. Nucleotide polymerisation iii. DNA polymerase c. RNA primer synthesis iv. DNA ligase d. Opens up the DNA double helix Ans X 1. i-a, ii-b, iii-c, iv-d X 2. i-b, ii-a, iii-d, iv-c √ 3. i-d, ii-c, iii-b, iv-a X 4. i-b, ii-c, iii-a, iv-d Question ID: 264330109928 Status: Answered Chosen Option: 4 Q.15 सिख, बंदी छोड़ दिवस मनाते हैं जो किस हिंदू त्योहार के साथ मेल खाता है? Ans 💢 1. गणेश चतुर्थी 🗶 2. होली 🥒 ३. दिवाली 🗶 ४. दशहरा Question ID: 264330114307

Status: Not Answered

Chosen Option: --

Q.16 Under the PL 480 scheme, India used to import wheat from which country? Ans X 1. USSR 2. USA X 3. France X 4. UK Question ID: 264330109398 Status: Not Answered Chosen Option: --Q.17 Which crop is grown during the Zaid season in India? 1. Cucumber Ans X 2. Jowar 💢 3. Bajra X 4. Maize Question ID: 264330110633 Status: Answered Chosen Option : 1 Q.18 Kalakshetra style is associated with which Indian classical dance form? Ans X 1. Odissi X 2. Kathak X 3. Kuchipudi 4. Bharatanatyam Question ID: 264330109582 Status: Not Answered Chosen Option: --Q.19 When and at which place did the Jallianwala Bagh massacre take place? 1. On 13 April 1919, at Amritsar Ans X 2. On 12 April 1919, at Chauri Chaura X 3. On 13 May 1918, at Amritsar X 4. On 14 March 1919, at Amritsar Question ID: 264330106611 Status: Answered Chosen Option: 1 Q.20 V Satyanarayana Sarma, a Padma Shri awardee, was recognised for which of the following dance forms? Ans X 1. Odissi X 2. Bharatanatyam X 3. Kathak 4. Kuchipudi Question ID: 26433055431 Status: Answered Chosen Option: 4

Q.21	21 Which of the following cities of Nepal does NOT have a branch of 'Indian Citizen's Association of Nepal'?			
Ans				
	✓ 2. Lalitpur			
	X 3. Bhairahawa			
	× 4. Damak			
		Question ID : 264330132762		
		Status : Not Answered Chosen Option :		
		Siloton Spilotti		
Q.22	In February 2022, Ministry of Agriculture and Farmers Welfare at of, which is a doorstep distribution drive to deliver or to farmers under the Pradhan Mantri Fasal Bima Yojana (PMFBY	rop insurance policies		
Ans	1. Meri Policy Mere Hath			
	X 2. Saubhagya scheme			
	X 3. SEED scheme			
	X 4. Kaushal Yojana			
		Question ID:26433081874 Status:Answered		
		Chosen Option : 1		
		·		
Q.23	In which of the following states Vidhan Sabha elections was not	held in 2022?		
Ans	✓ 1. Haryana			
	X 2. Goa			
	X 3. Punjab			
	X 4. Uttar Pradesh			
		Question ID:26433081848 Status:Answered		
		Chosen Option : 4		
Q.24	Who designed the administrative code to separate revenue administration?	Chosen Option : 4		
Q.24 Ans	judicial administration?	Chosen Option : 4		
	judicial administration? 1. Lord Lytton	Chosen Option : 4		
	judicial administration? 1. Lord Lytton 2. Lord Cornwallis	Chosen Option : 4		
	judicial administration? 1. Lord Lytton 2. Lord Cornwallis 3. Lord Auckland	Chosen Option : 4		
	judicial administration? 1. Lord Lytton 2. Lord Cornwallis	Chosen Option : 4		
	judicial administration? 1. Lord Lytton 2. Lord Cornwallis 3. Lord Auckland	Chosen Option : 4		
	judicial administration? 1. Lord Lytton 2. Lord Cornwallis 3. Lord Auckland	Chosen Option : 4		

Q.25 Identify the correct statement about Newlands' law of octaves.

Ans 1. He started with the element having the highest atomic mass (hydrogen) and ended at thorium which was the 56th element.

X 2. He started with the element having the lowest atomic mass (hydrogen) and ended at sodium.

X 3. He started with the element having the lowest atomic mass (hydrogen) and ended at aluminium.

4. He started with the element having the lowest atomic mass (hydrogen) and ended at thorium which was the 56th element.

Question ID: 26433064742
Status: Answered
Chosen Option: 4

Section: Quantitative Aptitude

Q.1 The distance between two towns is covered in 7 hours and 30 minutes at the speed of 72 km/h. The time saved if the speed is increased by 25% is:

Ans X 1. 1 hour 36 minutes

X 2. 1 hour 50 minutes

3. 1 hour 30 minutes

X 4. 1 hour 20 minutes

Question ID: 264330103560 Status: Answered

Chosen Option: 3

Q.2 Simplify:

$$264 - \left[142 - \left\{75 + \left(38 - \left(\frac{5}{4} + \frac{11}{4}\right)\right)\right\}\right]$$

X 2. 230

X 3. 232

X 4. 234

Question ID: 264330143503

Status : Answered

Chosen Option : 1

Q.3 The chart shows the population of seven districts of National Capital Territory of Delhi.



If the total population of the seven districts is 150 crore, find the total population of A and D.

Ans

1. 45 Crore

X 2. 46 Crore

X 3.40 Crore

X 4. 42 Crore

Question ID: 264330132697 Status : Answered

Chosen Option: 1

Q.4 Rice worth ₹126 per kg and ₹135 per kg are mixed with a third variety in the ratio of 1 : 1 : 2. If the mixture is worth ₹153 per kg, then the price of the third variety per kg (in ₹)

Ans X 1. 182.5

X 2. 195.5

X 3. 133.5

4. 175.5

Question ID: 264330103657

Status: Not Answered

Chosen Option : --

Q.5 While baking a cake for 15 people, Jaya used 2.4 kg of flour. How much flour will she need to bake a similar cake for 36 people?

Ans

X 1. 5.60 kg

X 2. 6.00 kg

X 3. 5.88 kg

4. 5.76 kg

Question ID: 264330103272

Status: Answered

Chosen Option: 4

Q.6 A person borrowed some money on simple interest. After 4 years, he returned $\frac{9}{5}$ of the money to the lender. What was the rate of interest?

Ans X 1. 25% p.a.

X 2. 10% p.a.

X 3. 15% p.a.

√ 4. 20% p.a.

Question ID : 264330106003 Status : Answered

Chosen Option : 4

Q.7 A policeman chasing a thief is 0.5 km behind the thief. The speed of thief is 80% of the speed of the policeman and policeman catches him in 12 minutes. What is the speed of the thief (in km/h)?

Ans 1.10

X 2. 12.5

X 3. 15

X 4. 7.5

Question ID: 264330126145

Status: Not Answered

Chosen Option: --

Q.8 An inlet pipe can fill an empty tank in $4\frac{1}{2}$ hours while an outlet pipe drains a completely filled tank in $7\frac{1}{5}$ hours. The tank is initially empty, and the two pipes are alternately opened for an hour each, till the tank is completely filled, starting with the inlet pipe. In how many hours will the tank be completely filled?

Ans X 1. 24

 \times 2. 20 $\frac{1}{4}$

 \checkmark 3. $20\frac{3}{4}$

× 4. 22 5

Question ID : 264330112556 Status : Not Answered

Chosen Option : --

Q.9 If \triangle ABC is right angled at B, AB = 12 cm and \angle CAB = 60°, determine the length of BC.

Ans

- \times 1. $12\sqrt{2}$ cm
- × 2. 12
- √ 3. 12√3 cm
- × 4. $24\sqrt{3}$ cm

Question ID: 264330143576

Status: Answered

Chosen Option: 3

Q.10 The value of $(3^2)^2 + 3 \times 3 \div 3 - 3$ is:

- Ans X 1. 3²
 - √ 2. 9²
 - × 3. 2³
 - × 4. 30

Question ID: 26433062621

Status: Answered

Chosen Option: 2

Q.11 A works 5.4 times as fast as B, and A takes 22 days less than B to complete the job when each works alone. Calculate the number of days taken to complete the same job if A and B work together.

- \times 2. $4\frac{3}{16}$
- \times 4. $4\frac{5}{32}$

Question ID: 264330114528

Status: Not Answered

Chosen Option : --

Q.12 Two pipes S1 and S2 alone can fill an empty tank in 15 hours and 20 hours respectively. Pipe S3 alone can empty that completely filled tank in 40 hours. Firstly both pipes S1 and S2 are opened and after 2 hour pipe S3 is also opened. In how much time tank will be completely filled after S3 is opened?

Ans X 1. 90/17 hours

X 2. 89/12 hours

X 3, 90/13 hours

4. 92/11 hours

Question ID : 264330120033 Status : Answered

Chosen Option: 4

Q.13 Amit can complete a piece of work in 5 hours; Jeevan and Paul together can complete it in 4 hours, while Amit and Paul together can complete it in 3 hours. Approximately, how many hours will Jeevan alone take to complete the work (rounded off to the nearest integer)?

Ans X 1.5

X 2.6

× 2.6 × 3.9

X 4.8

Question ID : 264330126592 Status : Not Answered

Chosen Option: --

What is the value of $(\frac{1}{a} - \frac{1}{b} - \frac{1}{c})$ if, $\frac{2a-5}{a} - \frac{4b-5}{b} + \frac{6c+5}{c} = 0$?

Ans

1. 4/5

 \times 2. $-\frac{8}{5}$

× 3. $\frac{2}{5}$

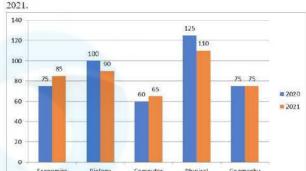
 \times 4. $-\frac{12}{5}$

Question ID: 264330130051

Status : Answered

Chosen Option: 4

Q.15 The following bar diagram shows the number of students who opted for the different subjects in the year 2020 and



Out of all 5 subjects, what percentage (rounded up to two decimals) of students opted for Biology in 2021?

Ans

- × 1. 23.14%
- × 2. 22.34%
- √ 3. 21.18%
- × 4. 24.31%

- Question ID: 26433076418
- Status : **Answered** Chosen Option: 3
- Q.16 AB = 28 cm and CD = 22 cm are two parallel chords on the same side of the centre of a circle. The distance between them is 4 cm. The radius of the circle is _____. (Consider up to two decimals)

- **Ans** X 1. 15.20 cm
 - X 2. 14.82 cm
 - √ 3. 15.82 cm
 - X 4. 13.20 cm

- Question ID : 264330143555
 - Status : Answered
- Chosen Option: 3
- Q.17 If $(x \frac{1}{x}) = 2\sqrt{2}$, what is the value of $(x^6 + \frac{1}{x^6})$?

- Ans X 1. 1030
 - **X** 2.960
 - **X** 3. 1000
 - 4. 970

- Question ID: 264330114545
 - Status: Answered
- Chosen Option: 4

Q.18 To earn a 12% profit, a shopkeeper sells a television for ₹22,400. What should be the selling price (in ₹) of the television if he wants a double profit? X 1. 24,000 2. 24,800 **X** 3. 24,600 **X** 4. 25,000 Question ID: 26433085442 Status: Answered Chosen Option : 2 Q.19 The perimeter of an isosceles triangle is 100 cm. If the base is 36 cm, then find its semi perimeter (in centimetres). X 1.64 Ans X 2,60 X 3.45 4.50 Question ID: 264330126611 Status : Answered Chosen Option: 4 Q.20 Three successive discounts of 25% each on the marked price of an item are together equivalent to a single discount (correct up to 2 decimal places) of: X 1. 62.35% Ans X 2.60.25% **X** 3. 56.45% **4.** 57.81% Question ID: 26433083031 Status: Answered Chosen Option: 4 Q.21 The sides of two similar triangles are in the ratio 5:7. The areas of these triangles are in the ratio: Ans X 1.35:49 X 2. 15 :49 3. 25:49 **X** 4. 36 :49 Question ID: 264330143548 Status: Answered Chosen Option: 3

Q.22

Find the value of $\sqrt{\frac{1-\sin 3\theta}{1+\sin 3\theta}}$.

- Ans $\sqrt{1}$ sec 3θ $\tan 3\theta$
 - \times 2. $(\sec 3\theta \tan 3\theta)^3$
 - \times 3. $(\sec 3\theta \tan 3\theta)^2$
 - \times 4. $\sec 3\theta + \tan 3\theta$

Question ID: 264330143594

Status: Answered

Chosen Option: 4

Q.23 The value of $\tan 25^{\circ} \tan 35^{\circ} \tan 45^{\circ} \tan 55^{\circ} \tan 65^{\circ}$ is:

- Ans X 1. 2
 - ✓ 2. 1
 - **×** 3. √3
 - X 4. 0

Question ID : 26433075221

Status : **Answered**

Chosen Option : 2

Q.24 What is the value of $(27x^3 + 58x^2y + 31xy^2 + 8y^3)$, when x = 5 and y = -7?

- Ans X 1. 1924
 - X 2. -1926
 - **√** 3. −1924

X 4. 1926

Question ID: 264330101353

Status : Not Answered

Chosen Option: --

Q.25 The value of secx - cosx=?

- Ans 1. tanx sinx
 - X 2. secx tanx
 - X 3. tanx cosx
 - X 4. secx cosx

Question ID: 26433061623

Status: Answered

Chosen Option: 1

Section : English Comprehension

Q.1 Select the option that can be used as a one-word substitute for the given group of words. The place that a person treats as his permanent home, or lives in and has a substantial connection with 2. Domicile X 3. Embankment X 4. Resort Question ID: 26433089105 Status: Answered Chosen Option: 2 Q.2 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

My friend is owing an expensive cell phone. Ans X 1. own an expensive cell phone 2. owns an expensive cell phone. X 3. No substitution X 4. is own an expensive cell phone Question ID: 26433093082 Status: Answered Chosen Option: 2 Q.3 Select the option that expresses the given sentence in passive voice. He has not committed the crime. Ans X 1. The crime was not committed by him. 2. The crime have not being committed by him. X 3. The crime have not been committed by him. 4. The crime has not been committed by him. Question ID: 264330141132 Status: Answered Chosen Option: 4 Q.4 Select the most appropriate synonym of the underlined word. During the summer of 1893, Miss Sullivan and I visited the World's Fair with Dr. Alexander Graham Bell. I recall with unmixed delight those days when a thousand childish fancies became beautiful realities. 1, enchant Ans X 2. dismay X 3. memory X 4. emotion Question ID: 26433090769 Status: Answered Chosen Option: 1

Q.5 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Binay said that / he is coming / from / his village, Jaygarh. X 1. from 2. he is coming X 3. his village, Jaygarh X 4. Binay said that Question ID: 26433086453 Status: Answered Chosen Option : 2 Q.6 Select the most appropriate synonym of the given word. Genial Ans X 1. Optimistic 2. Cheerful X 3. Despondent X 4. Positive Question ID: 26433096997 Status: Answered Chosen Option: 1 Q.7 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. In 1944, he was honoured by King George VI with a Knighthood and became Sir Alexander Fleming. B. On receiving this great honour, Fleming said in his usual modest way, "Wherever I go, people thank me for saving their lives. I didn't do anything; I just found a remedy that was there." C. Fleming became famous overnight and was regarded as one of the most distinguished scientists of his time. D. The next year, he and his fellow bacteriologists, whose combined efforts had led to the great discovery, were honoured with a joint Nobel Prize. Ans X 1. DBCA X 2. ADBC X 4. BCDA Question ID: 26433096963 Status: Answered Chosen Option: 3 Q.8 Select the most appropriate synonym of the given word. **Absorbed** Ans X 1. Preoccupied 2. Soaked X 3. Restored X 4. Replaced Question ID: 264330139342 Status: Answered Chosen Option: 2

X 2. Nozzle 3. Allmost X 4. Moisture Question ID: 26433091836 Status : **Answered** Chosen Option: 1 Q.10 Identify the option that defines the homonyms 'gate' and 'gait' most appropriately. Ans X 1. Gate means to achieve or receive, and gait means a person's manner of walking. 2. Gate means a hinged barrier used to close an opening in a wall, fence or hedge, and gait means a person's manner of walking. X 3. Gate means general agreement on tariff and excise, and gait means a person's manner of talking. X 4. Gate means a hinged barrier used to close an opening in a wall or fence, and gait means a cloth or leather leg covering reaching from the instep to above the ankle or to the Question ID: 264330123033 Status: Answered Chosen Option: 4 Q.11 Parts of the following sentence have been given as options. Select the option that contains an error. She was waiting for a opportunity to start her own business. Ans X 1, own business X 2. to start her 3. for a opportunity X 4. She was waiting Question ID: 26433072527 Status : Answered Chosen Option: 3 Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. The players distributed the reward between themselves Ans X 1. between them 2. among themselves X 3. between their selves X 4. amongst their self Question ID: 26433098969 Status: Answered Chosen Option: 1

Q.9 Select the INCORRECTLY spelt word.

Ans X 1. Treble

Q.13 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. It was the night before the day fixed for his coronation, and the young King was sitting alone in his beautiful chamber.

B. And, indeed, it was the hunters who had found him, coming upon him almost by chance as, bare-limbed and pipe in hand, he was following the flock of the poor goat herd who had brought him up, and whose son he had always fancied himself to be.

C. The lad—for he was only a lad, being but sixteen years of age—was not sorry at their departure, and had flung himself back with a deep sigh of relief on the soft cushions of his embroidered couch, lying there, wild-eyed and open-mouthed, like a brown woodland Faun, or some young animal of the forest newly snared by the hunters.

D. His courtiers had all taken their leave of him, bowing their heads to the ground, according to the ceremonious usage of the day, and had retired to the Great Hall of the Palace, to receive a few last lessons from the Professor of Etiquette; there being some of them who had still quite natural manners, which in a courtier is, I need hardly say, a very grave offence.

Ans

√ 1. ADCB

X 2. CBDA

X 3. ACDB

X 4. CDBA

Question ID : 264330143866 Status : Not Answered

Chosen Option: --

Q.14 Parts of the following sentence have been underlined and given as options. Select the option that contains a spelling error.

If more is <u>desired</u> than the <u>instantanious</u> impact on the <u>mind</u>, the <u>advertising</u> value of the poster falls sharply, within limits of outdoor publicity, however it is at present <u>unchallenged</u>.

Ans

1. unchallenged

2. instantanious

X 3. desired

X 4. advertising

Question ID: 26433088433

Status : Answered

Chosen Option: 1

Q.15 Select the option that expresses the given sentence in active voice. Wedding invitations will be sent by them.

Ans X 1. They will be sent wedding invitations.

2. He will sent wedding invitations.

3. They will send wedding invitations.

4. He will be send wedding invitations.

Question ID: 264330132784

Status : Answered

Chosen Option: 3

Her room looks very messy X 1. Untidy X 2. Chaotic X 3. Disordered 4. Organised Question ID: 264330121049 Status : **Answered** Chosen Option: 4 Q.17 Select the most appropriate meaning of the given idiom. A perfect storm Ans X 1. Pretty good judgement X 2. Healing from trauma 3. The worst possible situation X 4. Appropriate for all occasions Question ID: 26433088775 Status: Answered Chosen Option: 3 Q.18 Select the sentence that has the most appropriate meaning of the given idiom. Bad blood X 1. She is so scared of cockroaches that she fainted when she saw them crawling near Ans her foot. X 2. The doctor dropped the bad news to Ravi as he was suffering from a serious disease. 3. The gangster had some bitter relations with a local activist so he warned him to stay out of his business. 4. Sushant always gets in trouble for telling lies but he never learns anything. Question ID: 26433089735 Status : Answered Chosen Option: 2 Q.19 Select the most appropriate synonym of the underlined word. After my first visit to Boston, I spent almost every winter in the North. Once I went on a visit to a New England village with its frozen lakes and vast snow fields. Ans X 1. minimal X 2. shallow 3. extensive X 4. solid Question ID: 26433090770 Status: Answered Chosen Option: 3

Q.16 Select the most appropriate ANTONYM of the underlined word.

	given sentence.				
	Hardly we had boarded the train when it started to move.				
ns	X 1. will we boarded				
	X 2. we are boarded				
	X 3. is we boarded				
	4. had we boarded				
		Question ID : 26433081309			
		Status : Answered Chosen Option : 4			
		Chosen Option . 4			
	Comprehension:				
	select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students.	picture-based develop critical			
	SubQuestion No : 21				
	Select the most appropriate option to fill in blank no. 1.				
ns	√ 1. empower				
	X 2. negate				
	X 3. empowers				
	X 4. negates				
		Question ID: 264330135876			
		Chatra A Aranaga d			
		Status : Answered			
		Status : Answered Chosen Option : 4			
_	Comprehension:				
_	Comprehension: In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students.	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2.	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2. 1. difficult	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2. X 1. difficult X 2. complex	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2. X 1. difficult X 2. complex X 3. trivial	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2. X 1. difficult X 2. complex	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			
22 ns	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students. SubQuestion No: 22 Select the most appropriate option to fill in blank no. 2. X 1. difficult X 2. complex X 3. trivial	Chosen Option : 4 age carefully and ed in an interactive picture-based develop critical			

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 basic elements of computers that (1) our world are explained in an interactive manner. The book has a (2) approach of colourful and creative picture-based activities. The puzzles, activities and mazes (3) the students to develop critical thinking, logical and motor skills. After every lesson, (4) exercises are incorporated to (5) the conceptual understanding of the students.		
	SubQuestion No : 23		
Q.23	Select the most appropriate option to fill in blank no. 3.		
Ans	✓ 1. help		
	X 2. helped		
	X 3. helps		
	X 4. had helped		
		Question ID : 264330135878	
		Status : Answered Chosen Option : 3	
		энээн эризги	
	Comprehension:		
	In the following passage, some words have been deleted. Read the pass select the most appropriate option to fill in each blank. The basic elements of computers that (1) our world are explain manner. The book has a (2) approach of colourful and creative activities. The puzzles, activities and mazes (3) the students to thinking, logical and motor skills. After every lesson, (4) exercise to (5) the conceptual understanding of the students.	ed in an interactive picture-based	
	SubQuestion No : 24		
Q.24	Select the most appropriate option to fill in blank no. 4.		
Ans	· ·		
	X 2. superficial		
	X 3. baffling		
	X 4. irrational		
		Question ID : 264330135879	
		Status : Answered	
		Chosen Ontion: 1	

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 basic elements of computers that (1) our world are explained in an interactive manner. The book has a (2) approach of colourful and creative picture-based activities. The puzzles, activities and mazes (3) the students to develop critical thinking, logical and motor skills. After every lesson, (4) exercises are incorporated to (5) the conceptual understanding of the students.	
	SubQuestion No : 25	
Q.25	Q.25 Select the most appropriate option to fill in blank no. 5.	
Ans	X 1. evolving	
	2. evolved	
	X 3. evolution	
	✓ 4. evolve	
	Question ID : 264330135880	
	Status : Answered	
	Chosen Option : 4	