Combined Graduate Level Examination 2020 Tier-I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	16/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section: General Intelligence and Reasoning

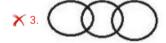
Q.1 Select the Venn diagram that best illustrates the relationship among the following classes.

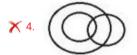
Whisk, Utensil, Sickle

Ans









Question ID: 81616112933 Status: Answered

Chosen Option : 2

Q.2 Select the number from among the given options that can replace the question mark (?) in the following series.

5, 13, 22, 34, 51, 75, 108, 152, ?

Ans ?

X 1. 230

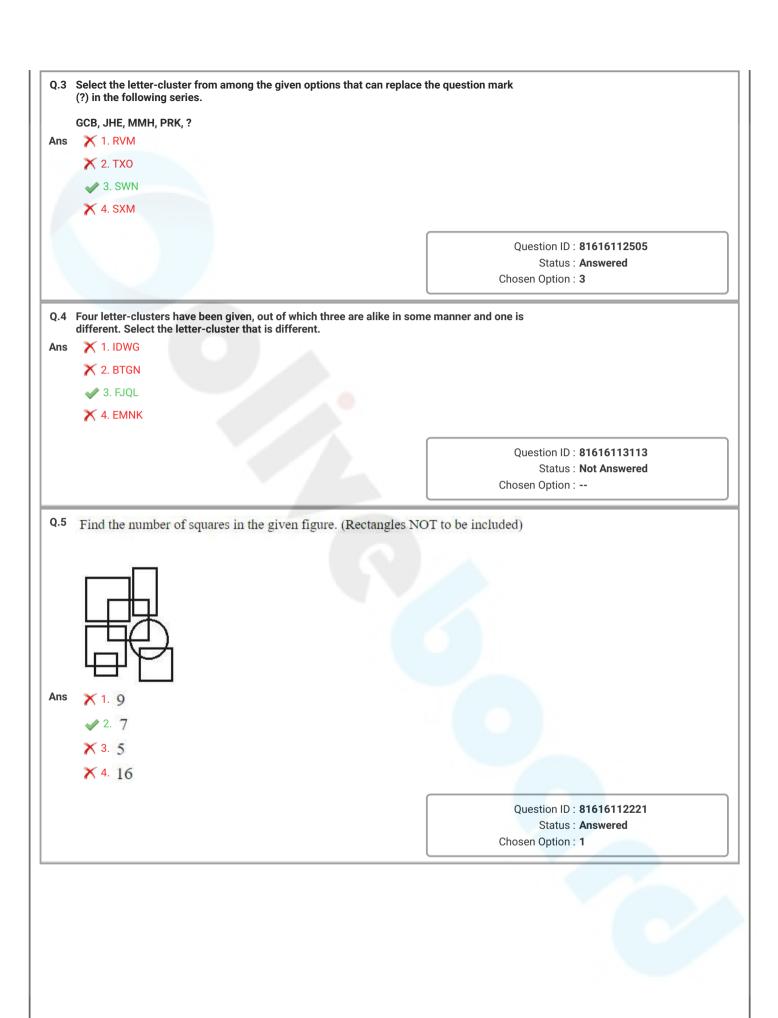
X 2. 203

3. 209

X 4. 290

Question ID: 81616113122

Status: Not Answered

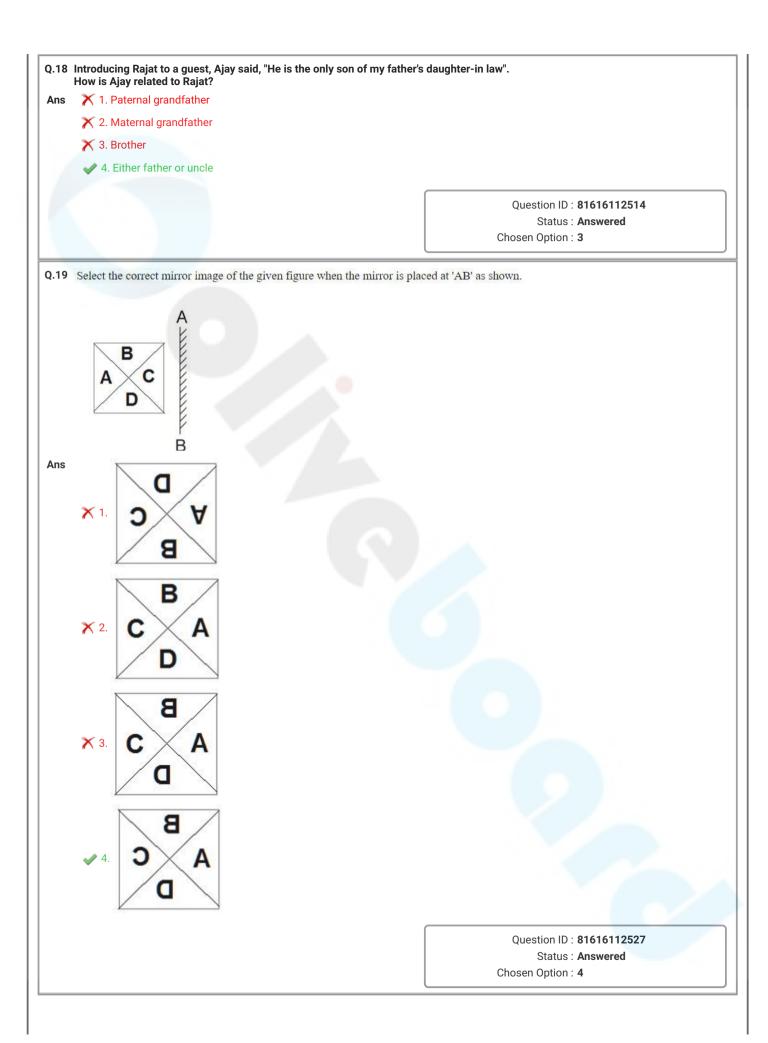


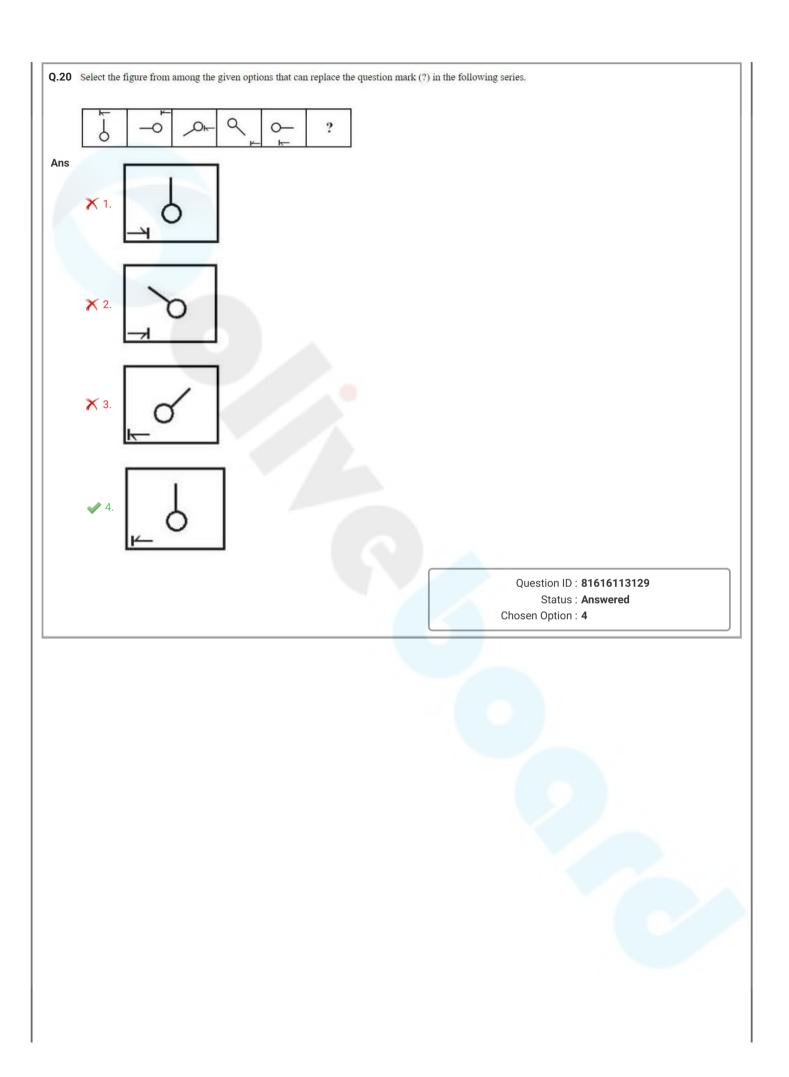
Q.6 Select the letter from among the given options that can replace the question mark (?) in the following series. B, E, G, J, L, ? Ans **1.0 X** 3. Q Question ID: 81616112513 Status: Answered Chosen Option: 1 Q.7 The present age of a father is three times that of his elder son. Four years hence, the age of the father will be four times that of his younger son. If the difference between the present ages of the elder and younger child is 6 years, what is the present age of the father? Ans √ 1. 36 years 🗙 2. 32 years X 3. 38 years 🗙 4. 42 years Question ID: 81616112522 Status: Answered Chosen Option: 1

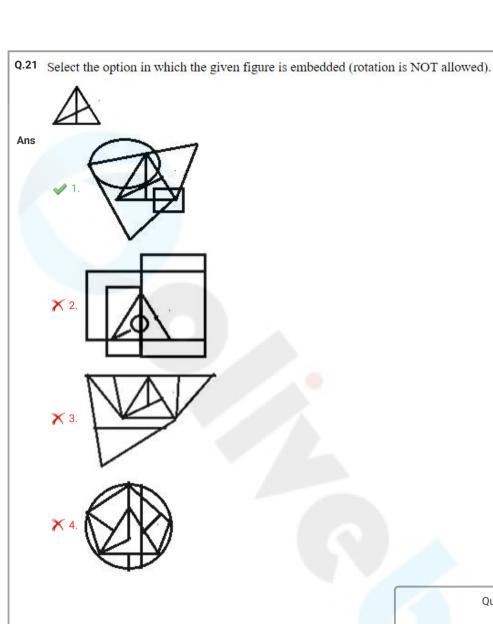
Q.8 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded? Ans 00 **X** 2. 00 **X** 3. **X** 4. Question ID: 81616112528 Status: Answered Chosen Option: 1 Q.9 Select the correct sequence of mathematical signs that can sequentially replace the * signs and balance the given equation. 6 * 10 * 55 * 162 * 9 = 23 Ans √ 1. ×, -, +, ÷ **X** 2. ×, ÷, −, + 🗙 3. ÷, +, ×, -**X** 4. +, −, ÷, × Question ID: 81616112218 Status: Answered Chosen Option: 1

	Select the option that is related to the third number in the same w is related to the first number and the sixth number is related to the	ay as the second number e fifth number.
Ans	15:135::16:?::18:189 1.152	
Allo	★ 2. 121	
	× 3. 131	
	X 4. 141	
	(T. 141	
		Question ID: 81616112921
		Status : Not Answered
		Chosen Option :
Q.11	Four words have been given, out of which three are alike in some different. Select the word that is different.	manner and one is
Ans	✓ 1. Prowl	
	X 2. Growl	
	X 3. Howl	
	X 4. Yowl	
		Question ID : 81616112205
		Status : Answered
		Chosen Option : 4
	TO WE	
Ans	WE AT IN 59 X 1. AT X 2. SO ✓ 3. GO X 4. IN	
Ans	X 1. ATX 2. SO✓ 3. GO	Ouestion ID : 81616112222
Ans	X 1. ATX 2. SO✓ 3. GO	Question ID : 81616112222 Status : Answered
Ans	X 1. ATX 2. SO✓ 3. GO	
	X 1. ATX 2. SO✓ 3. GO	Status : Answered Chosen Option : 3
	X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING'	Status : Answered Chosen Option : 3
Q.13	X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING will 'CAPITAL' be coded in that language?	Status : Answered Chosen Option : 3
Q.13	 X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING will 'CAPITAL' be coded in that language? X 1. 124 	Status : Answered Chosen Option : 3
Q.13	 X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING will 'CAPITAL' be coded in that language? X 1. 124 X 2. 93 	Status : Answered Chosen Option : 3
Q.13	 X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING will 'CAPITAL' be coded in that language? X 1. 124 X 2. 93 X 3. 62 	Status : Answered Chosen Option : 3 G' is coded as '83'. How
Q.13	 X 1. AT X 2. SO ✓ 3. GO X 4. IN In a certain code language, 'ALPINE' is coded as '171' and 'SPRING will 'CAPITAL' be coded in that language? X 1. 124 X 2. 93 X 3. 62 	Status : Answered Chosen Option : 3

Q.14	Select the correct option that indicates the arrange which they appear in an English dictionary.	ment of the given words in the order in
	1. Umbilical	
	2. Urgent 3. Unaltered	
	4. Umbrella	
A	5. Unanimous	
Ans	1 . 1, 4, 3, 5, 2	
	2. 4, 1, 3, 5, 2	
	X 3. 1, 4, 2, 3, 5	
	4 . 4, 1, 5, 3, 2	
		Question ID : 81616113112
		Status : Answered
		Chosen Option : 1
).15	Select the option that is related to the third word in related to the first word.	the same way as the second word is
	Chicken: Flock:: Bear:?	
Ans	X 1. Drove	
	✓ 2. Sleuth	
	X 3. Ambush	
	X 4. Clutter	
		Question ID: 81616113115
		Status : Not Answered
		Chosen Option :
2.16	In a certain code language, 'MORBID' is written as 'I	FHGMID'. How will 'OBTAIN' be written in
Ans	that language? X 1. GFOJDS	
AIIS		
	★ 2. JOFGSD	
	X 4. JGOFDS	
		Question ID : 81616112915 Status : Not Answered
		Chosen Option :
.17	Four number-pairs have been given, out of which th different. Select the number-pair that is different.	ree are alike in some manner and one is
Ans	X 1. 169 : 55	
	X 2. 289 : 70	
	X 3. 256 : 61	
	✓ 4. 324 : 64	
		Question ID : 81616112215
		Question ID : 81616112215 Status : Answered Chosen Option : 4







Question ID: 81616112526 Status: Answered Chosen Option: 1

Q.22 Select the option in which the words share the same relationship as that shared by the given pair of words.

Raj Ghat : Mahatma Gandhi

1. Vijay Ghat : Lal Bahadur Shastri Ans

> 🗶 2. Shanti Vana : Rajiv Gandhi 💢 3. Shakti Sthal : Sanjay Gandhi 🗙 4. Veer Bhoomi : Indira Gandhi

> > Question ID: 81616112510 Status: Answered

Q.23 Study the given pattern carefully and select the number that can replace the question mark (?) in it. 22 32 7 18 24 5 32 40 ? **X** 1.4 Ans **2**.8 X 3.12 **X** 4. 10 Question ID: 81616112923 Status: Not Answered Chosen Option: --Q.24 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statements. Statements: All computers are laptops. All hard disks are pen drives. No pen drive is a keyboard. No computer is a hard disk. **Conclusions:** I. Some pen drives are not laptops. II. No keyboard is a computer. III. No hard disk is a laptop. IV. All pen drives are not keyboards. X 1. Only conclusion III follows Ans X 2. Only conclusion I follows X 3. Only conclusion II follows 4. Only conclusion IV follows Question ID: 81616112919 Status: Not Answered Chosen Option: --Q.25 Study the given pattern carefully and select the number that can replace the question mark (?) in it. 6 11 14 83? 62 47 89 Ans X 1.15 **2**. 5 **X** 3. 6 **X** 4. 4 Question ID: 81616112217

Status: Not Answered

Chosen Option: --

Section: General Awareness

Q.1 Which of the following is also called 'green algae'? Ans X 1. Phaeophyceae X 2. Porphyridium 3. Chlorophyceae X 4. Rhodophyceae Question ID: 81616112233 Status: Answered Chosen Option: 3 Q.2 _ organised his trusted nobles into a group of forty known as Turkan-i-Chahalgani. X 1. Qutub-Ud-Din Aibak Ans X 2. Balban 3. Iltutmish X 4. Ala-ud-Din Khilji Question ID: 81616112544 Status: Answered Chosen Option: 2 Q.3 Who among the following is the author of the book 'Interpreter of Maladies'? X 1. Sudha Murty Ans X 2. Arundhati Roy X 3. Anita Nair 4. Jhumpa Lahiri Question ID: 81616112547 Status: Not Answered Chosen Option: --Q.4 The _____ rate measures rising prices in everything except food and energy. X 1. wage inflation 2. core inflation X 3. stagflation 🔀 4. deflation Question ID: 81616112532 Status: Answered Chosen Option: 1 Q.5 Who among the following was the first Vice President of India? 💢 1. Varahagiri Venkata Giri Ans X 2. Gopal Swarup Pathak X 4. Zakir Hussain Question ID: 81616112245 Status: Answered Chosen Option: 3

Q.6 The elements of the groups 3 to 12 are called _____ elements or transition elements. Ans X 1. c-block 2. d-block X 3. a-block X 4. b-block Question ID: 81616112538 Status: Answered Chosen Option: 2 Q.7 is a practice of establishing and managing individual trees generally for amenity purposes. X 1. Floriculture Ans X 2. Viniculture X 3. Silviculture 4. Arboriculture Question ID: 81616113147 Status: Answered Chosen Option: 2 Q.8 Which of the following is a private good? X 1. A good that is available to everyone to consume, regardless of who pays for it and Ans who does not. 2. A good that is consumed by a single person or household X 3. Spillover benefits X 4. Non-rival in consumption and non-excludable Question ID: 81616112230 Status: Answered Chosen Option: 2 Q.9 Which of the following nations is NOT a part of the Quad Group? X 1. Australia Ans 2. Canada X 3. India 💢 4. Japan Question ID: 81616112553 Status: Answered Chosen Option: 2

	In which Indian state will you find the Borail Wildlife Sanctuary? 1. Karnataka	
Ans		
	× 2. Odisha	
	X 4. West Bengal	
		Question ID : 81616112236
		Status: Not Answered
		Chosen Option :
0.11	is a branch of biology that studies fungi.	
Ans	1. Morphology	
	★ 2. Kalology	
	✓ 3. Mycology	
	× 4. Virology	
	* \	
		Question ID : 81616112938
		· · · · · · · · · · · · · · · · · · ·
		Status : Answered
Q.12	Which of the following is one of the metals used in LED semicon	Status : Answered Chosen Option : 3
Q.12 Ans	★ 1. Copper	Status : Answered Chosen Option : 3
	★ 1. Copper✓ 2. Gallium	Status : Answered Chosen Option : 3
	★ 1. Copper	Status : Answered Chosen Option : 3
	★ 1. Copper✓ 2. Gallium	Status : Answered Chosen Option : 3
	X 1. Copper✓ 2. GalliumX 3. Iron	Status : Answered Chosen Option : 3
	X 1. Copper✓ 2. GalliumX 3. Iron	Status : Answered Chosen Option : 3 Inductor technology? Question ID : 81616113141
	X 1. Copper✓ 2. GalliumX 3. Iron	Status : Answered Chosen Option : 3
Ans	★ 1. Copper★ 2. Gallium★ 3. Iron★ 4. Zinc	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans	X 1. Copper✓ 2. GalliumX 3. Iron	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans Q.13	 ★ 1. Copper ★ 2. Gallium ★ 3. Iron ★ 4. Zinc Which of the following countries' former Prime Minister was aways	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans Q.13	 X 1. Copper ✓ 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away Vibhushan award in 2021?	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans	 X 1. Copper ✓ 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away vibhushan award in 2021? X 1. Nepal 	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans Q.13	 X 1. Copper ✓ 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away Vibhushan award in 2021? X 1. Nepal ✓ 2. Japan 	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans Q.13	 X 1. Copper 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away Vibhushan award in 2021? X 1. Nepal 2. Japan X 3. Sri Lanka 	Status : Answered Chosen Option : 3 Iductor technology? Question ID : 81616113141 Status : Answered Chosen Option : 2
Ans Q.13	 X 1. Copper 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away Vibhushan award in 2021? X 1. Nepal 2. Japan X 3. Sri Lanka 	Status: Answered Chosen Option: 3 Iductor technology? Question ID: 81616113141 Status: Answered Chosen Option: 2 arded with the Padma Question ID: 81616113152
Ans Q.13	 X 1. Copper 2. Gallium X 3. Iron X 4. Zinc Which of the following countries' former Prime Minister was away Vibhushan award in 2021? X 1. Nepal 2. Japan X 3. Sri Lanka 	Status: Answered Chosen Option: 3 Iductor technology? Question ID: 81616113141 Status: Answered Chosen Option: 2 arded with the Padma

Q.14	What is the name of the river formed by the confluence of Sankh River and South Koel River at Vedvyas in Odisha?	
Ans	✓ 1. Brahmani	
	★ 2. Pennar	
	★ 3. Subarnarekha	
	🗙 4. Sabarmati	
		Question ID : 81616112540 Status : Answered
		Chosen Option : 1
Q.15	Of the known elements in the periodic table, only are gases unde atmospheric conditions.	r normal
Ans	✓ 1.11	
	X 2.13	
	★ 3.12	
	X 4. 10	
		Question ID : 81616112941 Status : Not Answered
		Chosen Option :
	Who among the following was the Australian Open 2020 women's single 1. Simona Halep	es winner?
Ans		
	X 2. Serena Williams	
	3. Garbine Muguruza	
	✓ 4. Sofia Kenin	
		Question ID : 81616112955
		Status : Answered
		Chosen Option : 1
Q.17	The place of Gautama Buddha's birth was a grove known as	
Ans	1. Kavus	
	✓ 2. Lumbini	
	X 3. Mangar Bani	
	X 4. Mawphlang	
		Question ID: 81616112240 Status: Answered
		Chosen Option : 2

Q.18 When is the Hindi Diwas observed annually? X 1. 2 October X 2. 14 March X 3. 6 April 4. 14 September Question ID: 81616112934 Status: Answered Chosen Option: 4 Q.19 Who is the ex-officio President of the Indian Parliamentary Group (IPG), set up in 1949, which functions as the national group of the Inter-Parliamentary Union (IPU) and the main branch of the Commonwealth Parliamentary Association (CPA) in India? X 1. Vice President X 2. Prime Minister X 3. President 4. Speaker of the Lok Sabha Question ID: 81616112549 Status: Answered Chosen Option: 4 Q.20 In which state is Ponu Yoksi, a sword-like instrument, used during ceremonial dances performed by priests? X 1. Uttar Pradesh Ans 🗙 2. Himachal Pradesh 3. Arunachal Pradesh X 4. Madhya Pradesh Question ID: 81616112228 Status: Answered Chosen Option: 1 Q.21 Who among the following had written the book 'Char Chaman', during the reign of Shah Jahan, describing the Mughal nobility? ✓ 1. Chandrabhan Brahman × 2. Abu'l Dazl X 3. Muhammad Waris X 4. Gulbadan Begum Question ID: 81616112949 Status: Answered Chosen Option: 2

Q.22 Where is the headquarters of International Hockey Federation (FIH) located? Ans X 1. Australia 2. Switzerland 🗙 3. Bhutan X 4. Nepal Question ID: 81616113156 Status: Answered Chosen Option: 2 Q.23 In February 2021, the Defence Ministry of India awarded a contract to manufacture 83 Light Combat Aircraft (LCA) Tejas fighters to ✓ 1. Hindustan Aeronautics Limited Ans × 2. Bharat Dynamics Limited X 3. Bharat Electronics Limited 4. Defence Research and Development Organisation Question ID: 81616113160 Status: Answered Chosen Option: 1 Q.24 In which of the following years was the origin and enactment of the Indian Age of Consent Act passed? Ans X 1. 1889 **X** 2. 1901 **3**. 1891 **X** 4. 1834 Question ID: 81616112946 Status: Not Answered Chosen Option: --Q.25 How many people were awarded the Padma Vibhushan in January 2021? Ans X 1. 29 **X** 2. 4 **X** 3. 10 **4**. 7 Question ID: 81616113158 Status: Answered Chosen Option: 4

Section: Quantitative Aptitude

Q.1

If $4x^4 - 37x^2 + 9 = 0$, $x > \sqrt{\frac{3}{2}}$, then what is the value of $8x^3 - \frac{27}{x^3}$?

Ans X 1. 35

√ 2. 215

X 3. -215

× 4. -35

Question ID: 81616112265

Status: Answered

Chosen Option: 2

If $a - \frac{12}{a} = 1$, where a > 0, then the value of $a^2 + \frac{16}{a^2}$ is:

Ans X 1. 15

√ 2. 17

X 3. 19

X 4. 11

Question ID: 81616113172

Status: Answered

Chosen Option: 2

Q.3 Table shows income (in ₹) received by 4 employees of a company during the month of December 2020 and all their income sources.

Source	Amit	Suresh	Nitin	Varun
Salary	35000	38500	29000	42000
Arrears	6000	6300	5000	7500
Bonus	1000	1100	1000	1240
Overtime	1800	1950	1400	1500

By what percent is the bonus of Varun less than the bonus of Amit and Nitin taken together?

Ans X 1. 45

X 2. 48

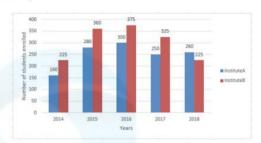
X 3. 40.9

√ 4. 38

Question ID: 81616112579

Status: Answered

Q.4 The bar graph shows the number of students enrolled for a science course in institutes A and B during 5 years from 2014



What is the ratio of the total numbers of students enrolled in institute B in 2015 and 2017 to that of students enrolled in institute A in 2014 and 2016?

- X 1. 111:91
- × 2. 91 : 111
- X 3. 92:137
- 4. 137:92

Question ID: 81616113284 Status: Answered

Chosen Option: 4

O.5 A train leaves station A at 8 am and reaches station B at 12 noon. A car leaves station B at 8:30 am and reaches station A at the same time when the train reaches station B. At what time do they meet?

Ans X 1. 10:22 am

✓ 2. 10:08 am

X 3. 9:38 am

X 4. 9:52 am

Question ID: 81616112968 Status: Not Answered

Chosen Option: --

The value of $3\frac{5}{6} + \left[3\frac{2}{3} + \left\{\frac{15}{4}\left(5\frac{4}{5} \div 14\frac{1}{2}\right)\right\}\right]$ is equal to:

Ans

- X 1. 6
- X 2. 7
- **3**. 9
- X 4. 8

Question ID: 81616113162

Status: Answered

Q.7 In \triangle ABC, AB = 20 cm, BC = 21 cm and AC = 29 cm. What is the value of cot C + cosec C - 2 tan A?

Ans $\begin{array}{c}
1 & \frac{3}{5} \\
\end{array}$

√ 3. ²/₅

 \times 4. $\frac{7}{20}$

Question ID : **81616113786** Status : **Answered** Chosen Option : **3**

Q.8 In a triangle ABC, point D lies on AB, and points E and F lie on BC such that DF is parallel to AC and DE is parallel to AF. If BE = 4 cm, CF = 3 cm, then find the length (in cm) of EF.

Ans

X 1. 5

X 2. 3

√ 3. 2

X 4. 1.5

Question ID : 81616112572 Status : Not Answered

Chosen Option: --

Q.9 A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 4 days B had to leave. Then A working with a new worker C completed the remaining work in 3 days. If C works alone, in how many days he can do 40% of the same work?

Ans

1. 9

 \times 2. $8\frac{1}{2}$

X 3. 8

X 4. 10

Question ID : 81616112260 Status : Answered

Chosen Option: 1

Q.10 If one of the angles of a triangle is 74°, then the angle between the bisectors of the other two interior angles is:

Ans

X 1. 53°

X 2. 106°

√ 3. 127°

X 4. 16°

Question ID: 81616113177 Status: Answered

Q.11 $\frac{\cot^{3}\theta}{\csc^{2}\theta} + \frac{\tan^{3}\theta}{\sec^{2}\theta} + 2\sin\theta\cos\theta = ?$

√ 1. cosecθsecθ

 \times 2. $\sin\theta\cos\theta$

 \times 3. $\csc^2\theta\sec^2\theta$

 \times 4. $\sin^2\theta\cos\theta$

Question ID: 81616112373

Status: Answered Chosen Option: 1

Q.12 If the nine-digit number 7p5964q28 is completely divisible by 88, what is the value of $(p^2 - q)$, for the largest value of q, where p and q are natural numbers?

Ans × 1. 81

X 2. 9

X 3. 0

√ 4. 72

Question ID: 81616112252

Status: Not Answered

Chosen Option: --

Q.13 Table shows the number of trees planted in 4 cities from 2016 to 2020.

Years	Chandigarh	Ahmadabad	Pune	Kolkata
2016	1800	2500	1800	2000
2017	2500	2300	1850	1800
2018	2300	2400	1840	1760
2019	2440	1950	1900	1600
2020	2250	2100	2000	1750

In which year were the maximum number of trees planted?

Ans X 1. 2016

X 2. 2020

√ 3. 2017

X 4. 2018

Question ID: 81616112577

Status: Answered

× 3. 13378

× 4. 38000

Question ID : 81616112256 Status : Not Answered

Chosen Option: --

Q.15 AB is a diameter of a circle. C and D are points on the opposite sides of the diameter AB, such that $\angle ACD = 25^{\circ}$. E is a point on the minor arc BD. Find the measure of $\angle BED$ (in degrees).

Ans

X 1. 105

X 2. 125

X 3. 130

4. 115

Question ID : 81616112267 Status : Answered

Chosen Option: 1

Q.16 Three shopkeepers A, B and C marked an identical article at ₹4820. A, B and C sold their article on successive discounts of 20% and 20%; 25% and 15%; 30% and 10% respectively. Which shopkeeper gives the maximum discount and how much (in Rs)?

Ans

X 1. C,1780

√ 2. C,1783.40

X 3. B, 1800

X 4. A,1735.20

Question ID: 81616112962

Status : Answered

Chosen Option: 2

Q.17 Hridaya opened her piggy bank and found coins of denomination ₹1, ₹2, ₹5 and ₹10 in the ratio 10:5:2:1. If there are 72 coins in all, then how much money (in ₹) was there in the piggy bank in the form of coins?

Ans

X 1. 100

X 2. 72

√ 3. 160

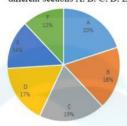
× 4. 90

Question ID: 81616112965

Status : Answered

Q.18 A sum at a certain rate of simple interest becomes ₹14880 after 3 years and ₹16800 after 5 years. Find the simple interest on the same sum at 10% per annum for 4 years (in ₹). Ans X 1. 5184 × 2. 4860 **3**. 4800 × 4. 4740 Question ID: 81616112259 Status: Answered Chosen Option: 1 Q.19 From an external point A, two tangents AB and AC have been drawn to a circle touching the circle at B and C respectively. P and Q are points on AB and AC respectively such that PQ touches the circle at R. If AB = 11 cm, AP = 7 cm and AQ = 9 cm, then find the length of PQ (in cm). Ans X 1. 7 X 2. 5 **X** 3. 8 **4** 4. 6 Question ID: 81616112569 Status: Answered Chosen Option: 4 Q.20 What is the ratio of the average of first eight prime numbers to the average of first ten even natural numbers? Ans √ 1. 7:8 X 2. 1:7 X 3. 7:80 X 4. 8:70 Question ID: 81616112557 Status: Answered Chosen Option: 1

Q.21 The following Pie chart represents the percentage-wise distribution of 300 students of class X in a school in six different sections A. B. C. D. E and F.



The table given below shows the number of boys of class X in six different sections A, B, C, D, E and F.

Section	A	В	C	D	E	F
No. of boys	36	26	34	28	x	20

If in section E, the ratio of the number of boys to the number of girls is 3:4, then the ratio of number of boys in section E to the number of girls in section C is:

Ans

- X 1. 23:18
- X 2. 23:24
- X 3. 24:23
- √ 4. 18:23

- Question ID : 81616113286
- Status : **Not Answered**Chosen Option : --
- Q.22 A heap of wheat is in the form of a cone whose base diameter is 8.4 m and height is 1.75 m. The heap is to be covered

by canvass. What is the area (in m^2) of the canvas required? (Use $\pi = \frac{22}{7}$)

Ans

- √ 1. 60.06
- X 2. 60.6
- × 3. 115.05
- X 4. 115.5

Question ID: 81616112565

Status : Answered

Chosen Option: 1

Q.23 If $2\sin(3x-15)^\circ = 1,0^\circ < (3x-15) < 90^\circ$, then find the value of $\cos^2(2x+15)^\circ + \cot^2(x+15)^\circ$.

Δno

- 1. -
- **X** 2. 1
- \times 3. $-\frac{7}{2}$
- \times 4. $\frac{5}{2}$

Question ID: 81616112270

Status: Answered

Q.24 If $(16\sqrt{2}x^3 + 81\sqrt{3}y^3) \div (2\sqrt{2}x + 3\sqrt{3}y) = Ax^2 + By^2 + Cxy$, then find the value of $2A - 3B - 2\sqrt{6}$ C.

Ans X 1. 25

✓ 2. 7

X 3. 137

X 4. 79

Question ID: 81616112971 Status: Answered

Chosen Option: 3

Q.25 Radha purchased a Computer table for ₹10000 and a Centre table for ₹5000. She sold Computer table with 8% profit. With what profit percent should she sell the Centre table so as to gain 10% on the whole transaction?

Ans X 1. 12%

X 2. 10%

√ 3. 14%

X 4. 18%

Question ID: 81616113166

Status: Answered

Chosen Option: 3

Section: English Comprehension

Q.1 Select the most appropriate meaning of the following idiom.

To the nines

Ans

1. To perfection

X 2. To great depths

X 3. To be exalted

X 4. To be jealous

Question ID: 81616113002

Status: Answered

Chosen Option: 1

Q.2 Select the option that expresses the given sentence in indirect speech.

The teacher said, "Man is mortal."

🔀 1. The teacher said that man was mortal. Ans

💢 2. The teacher instructed that man was mortal.

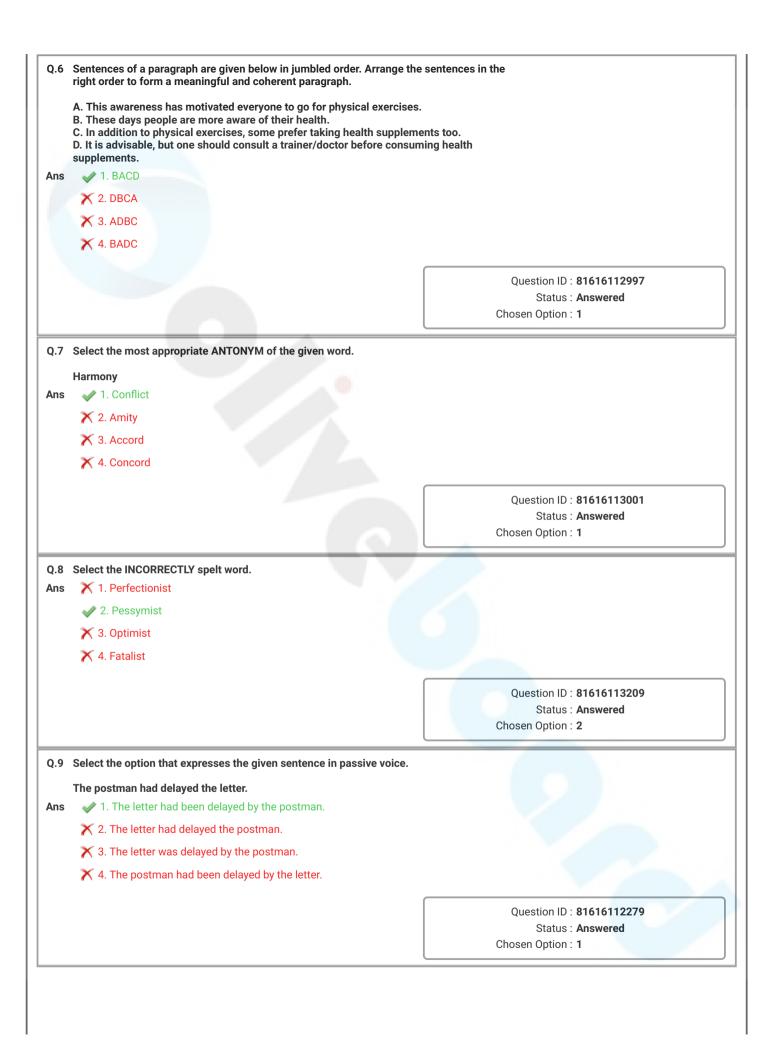
3. The teacher said that men were mortal.

4. The teacher said that man is mortal.

Question ID: 81616112583

Status: Answered

Q.3 Select the most appropriate option to fill in the blank. I read some _____ of properties for sale on the Internet before I called the agent. Ans X 1. spaces X 2. monologues X 3. arguments 4. descriptions Question ID: 81616112301 Status: Answered Chosen Option: 3 Q.4 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. There are many secondary reasons as well along with increasing levels of carbon. B. The term is used to describe the unnatural rise in earth's average temperature. C. Increased carbon dioxide is the primary driver of global warming. D. Global warming is the single biggest threat to life on earth today. Ans X 1. DABC 2. DBCA X 3. ABCD X 4. ACBD Question ID: 81616113198 Status: Answered Chosen Option: 2 Q.5 Select the option that can be used as a one-word substitute for the given group of words. A large bedroom for a number of people in a school or institution. X 1. Creche X 2. Hostel 3. Dormitory X 4. Assembly Question ID: 81616112297 Status: Answered Chosen Option: 3



	Rejuvenate	
ns	★ 1. Retell	
	2. Refresh	
	X 3. Reset	
	X 4. Retake	
		Question ID : 81616112595 Status : Answered
		Chosen Option: 2
	Select the INCORRECTLY spelt word.	
ns	★ 1. Profuse	
	× 2. Virtuous	
	✓ 3. Luxuriaus	
	★ 4. Recluse	
		Question ID : 81616113208
		Status : Answered
		Chosen Option : 3
ns	Elated ➤ 1. Excited → 2. Depressed	
۱ns	★ 1. Excited★ 2. Depressed★ 3. Proud	
Ans	★ 1. Excited✓ 2. Depressed	
Ans	★ 1. Excited★ 2. Depressed★ 3. Proud	Question ID : 81616113202
Ans	★ 1. Excited★ 2. Depressed★ 3. Proud	Status : Answered
ns	★ 1. Excited★ 2. Depressed★ 3. Proud	
	★ 1. Excited★ 2. Depressed★ 3. Proud	Status : Answered
	★ 1. Excited★ 2. Depressed★ 3. Proud★ 4. Thrilled	Status : Answered
.13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word.	Status : Answered
).13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos	Status : Answered
2.13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos X 1. Fusion 	Status : Answered
2.13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos X 1. Fusion X 2. Tension 	Status : Answered
2.13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos X 1. Fusion X 2. Tension ✓ 3. Confusion 	Status : Answered Chosen Option : 2
2.13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos X 1. Fusion X 2. Tension ✓ 3. Confusion 	Status : Answered Chosen Option : 2 Question ID : 81616112594
Ans ().13	 X 1. Excited ✓ 2. Depressed X 3. Proud X 4. Thrilled Select the most appropriate synonym of the given word. Chaos X 1. Fusion X 2. Tension ✓ 3. Confusion 	Status : Answered Chosen Option : 2

Q.14 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Sholay is one in the most popular Hindi movies. ✓ 1. is one of the most popular Ans X 2. No substitution 🗙 3. is one in the more popular X 4. is in the most popular Question ID: 81616112281 Status: Answered Chosen Option: 1 Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Much of the truth about the mysterious death of her pet was not revealed. Ans X 1. have not revealed × 2. were not being revealed 3. No substitution X 4. were not revealed Question ID: 81616112585 Status: Answered Chosen Option: 3 Q.16 Select the option that can be used as a one-word substitute for the given group of words. A group of people, typically with vehicles or animals, travelling together. X 1. Troop X 2. Gang X 3. Circus 🥒 4. Caravan Question ID: 81616112298 Status: Answered Chosen Option: 2 Q.17 Select the most appropriate meaning of the following idiom. Apple of one's eye Ans X 1. Someone who plays all sports 2. Someone very precious or dear 3. Someone who behaves courteously X 4. Someone with great respect Question ID: 81616113003 Status: Answered Chosen Option: 4

Q.18 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. "Would you liked / to have / some fries / along with your coffee, / sir?" / asked the waiter. X 1. asked the waiter Ans × 2. along with your coffee 3. Would you liked X 4. some fries Question ID: 81616112278 Status: Answered Chosen Option: 2 Q.19 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The supervisor / wanted to known / the pros and cons / of the issue. Ans 1. wanted to known X 2. the pros and cons X 3. The supervisor X 4. of the issue Question ID: 81616112984 Status: Answered Chosen Option: 1 Q.20 Select the most appropriate option to fill in the blank. The jungle was nearly _____, so the progress was slow. X 1. immaterial X 2. immortal X 3. immobile 4. impenetrable Question ID: 81616112605 Status: Answered Chosen Option: 4

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. It is essential to form a link between formal education and skill (1)____ __. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour. SubQuestion No: 21 Q.21 Select the most appropriate option to fill in blank no.1. ✓ 1. development Ans X 2. maturity X 3. progress X 4. ripening Ouestion ID: 81616113193

Status : Answered
Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

It is essential to form a link between formal education and skill (1)______. Multidisciplinary and personality enhancement skills are the (2)______ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

SubQuestion No: 22

Q.22 Select the most appropriate option to fill in blank no.2.

Ans X 1. needless

2. essential

X 3. external

X 4. domestic

Question ID: 81616113194 Status: Answered

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. It is essential to form a link between formal education and skill (1)____ __. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour. SubQuestion No: 23 Q.23 Select the most appropriate option to fill in blank no.3. X 1. settled X 2. related 3. introduced X 4. improved Question ID: 81616113195 Chosen Option: 3

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

It is essential to form a link between formal education and skill (1)____ and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)__ various service sectors. Innovative models can help to (5)____ __ the varied needs of skilled and unskilled labour.

SubQuestion No: 24

Q.24 Select the most appropriate option to fill in blank no.4.

1. need

X 2. urgency

X 3. charge

X 4. duty

Question ID: 81616113196 Status: Answered

Status: Answered

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. It is essential to form a link between formal education and skill (1)______. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour. SubQuestion No: 25 Q.25 Select the most appropriate option to fill in blank no.5. Ans 1. meet 2. meeting 3. met 4. meets

Question ID : 81616113197
Status : Answered

Chosen Option : ${\bf 1}$