Combined Graduate Level Examination 2020 Tier-I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	13/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section: General Intelligence and Reasoning

Q.1 Select the option in which the words share the same relationship as that shared by the given pair of words.

Horses: Neigh

Ans X 1. Pigs : Buzz

X 2. Hares : Boom

3. Ducks : Quack

X 4. Parrots : Bray

Question ID : 81616113318 Status : Answered

Chosen Option : 3

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All polygons are angles.

All angles are diagonals.

All cones are cubes.

All cubes are decagons.

No diagonal is a cube.

Conclusions:

I. Some diagonals are polygons.

II. All diagonals are decagons.

III. No polygon is a cone.

IV. Some cubes are angles.

Ans X 1. Both conclusions II and IV follow

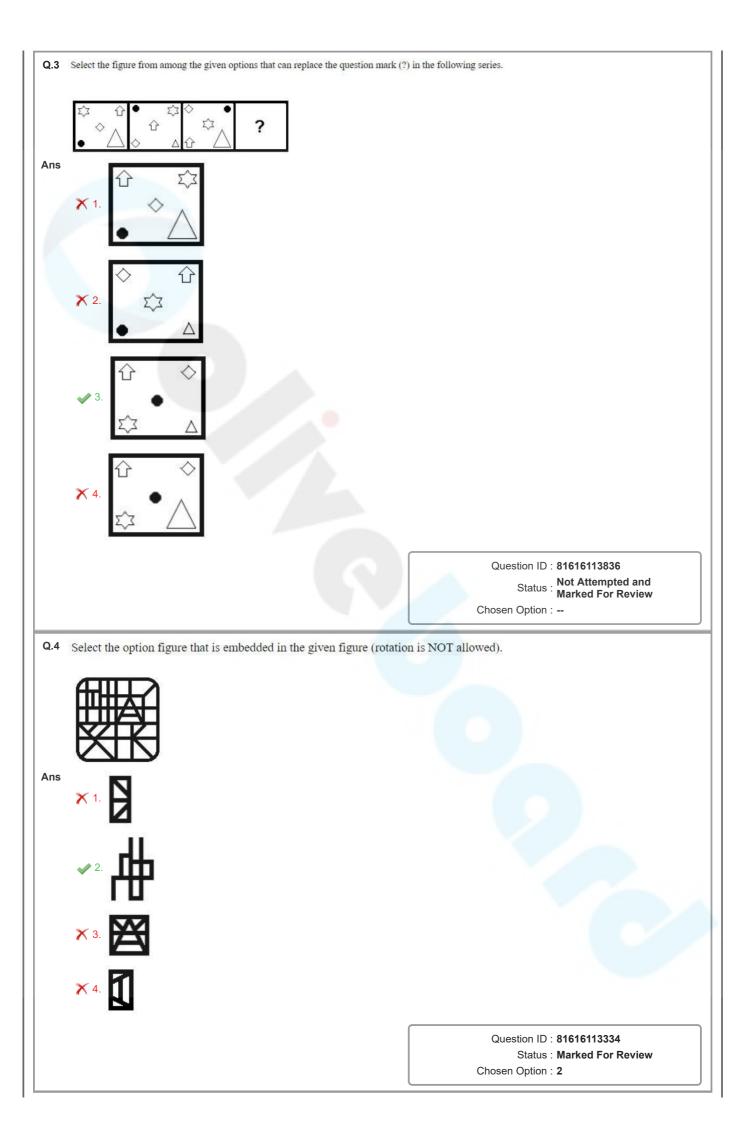
2. Both conclusions I and III follow

X 3. Both conclusions I and II follow

X 4. Only conclusion I follows

Question ID: 81616113020

Status: Marked For Review



Q.5	A cube is made by folding the given sheet. In the cube so formed, what would be the symbol # symbol?	on the opposite side of the
	& @	
	@ % # \$	
	<u>\$</u>	
Ans	★ 1. \$	
	X 2. +	
	✓ 3. &	
	★ 4. %	
		Question ID : 81616113939
		Status : Answered
		Chosen Option : 3
Q.6	Select the number from among the given options that can replace the selection (?) in the following series.	ne question mark
	24, 35, 51, 73, 102, ?	
Ans	✓ 1. 139	
	★ 2. 151	
	★ 3. 131	
	★ 4. 149	
		Question ID : 81616113829
		Status : Answered Chosen Option : 1
		Glicachi epitori i
Q.7	Select the option that is related to the third number in the same way number is related to the first number.	as the second
	12:60::16:?	
Ans	X 1. 121	
	★ 2. 210	
	✓ 3. 112	
	★ 4. 201	
		Question ID : 81616113022
		Status : Answered Chosen Option : 3
		Chosen Option . 3
Q.8	Select the correct option that indicates the arrangement of the give order in which they appear in an English dictionary.	n words in the
	1. Freeze 2. Freedom	
	3. Fryer 4. Frozen	
	5. Fraud	
Ans	6. Fringe × 1. 5, 6, 2, 1, 4, 3	
	× 2. 5, 1, 2, 6, 4, 3	
	X 3. 5, 2, 1, 6, 3, 4	
	4 . 5, 2, 1, 6, 4, 3	
		Question ID : 81616113819
		Status : Answered
		Chosen Option : 4

Q.9 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different. Ans X 1. FBXT X 2. TPLH X 3. CYUQ 4. NJFA Question ID: 81616113820 Status: Answered Chosen Option: 4 Q.10 P, L, T, B, N and D are six members of a business family. N is the son of B, who is not the mother of N. L is the brother of B. D and B are a married couple. T is the daughter of D, who is the sister of P. How is N related to T? X 1. Sister Ans X 2. Mother 3. Father 4. Brother Question ID: 81616113322 Status: Answered Chosen Option: 4 Q.11 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. 42 * 7 * 64 * 11 * 6 *4 Ans ✓ 1. ÷, +, -, ×, = X 2. ×, +, -, ÷, = **X** 3. ÷, −, +, ×, = X 4. ×, -, +, ÷, = Question ID: 81616113935 Status: Answered Chosen Option: 1

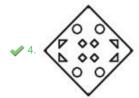
Q.12 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Ans









Question ID: 81616113336

Status: Answered

Chosen Option: 4

Q.13 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

My70QFj

 $\mathbf{M} \ \mathbf{y} \ \mathbf{7} \ \mathbf{O} \ \mathbf{Q} \ \mathbf{F} \ \mathbf{j} \ \mathbf{1} \mathbf{v} \mathbf{v}$

 $My7QOFj_{5x}$

×3 My 7 O Q F j

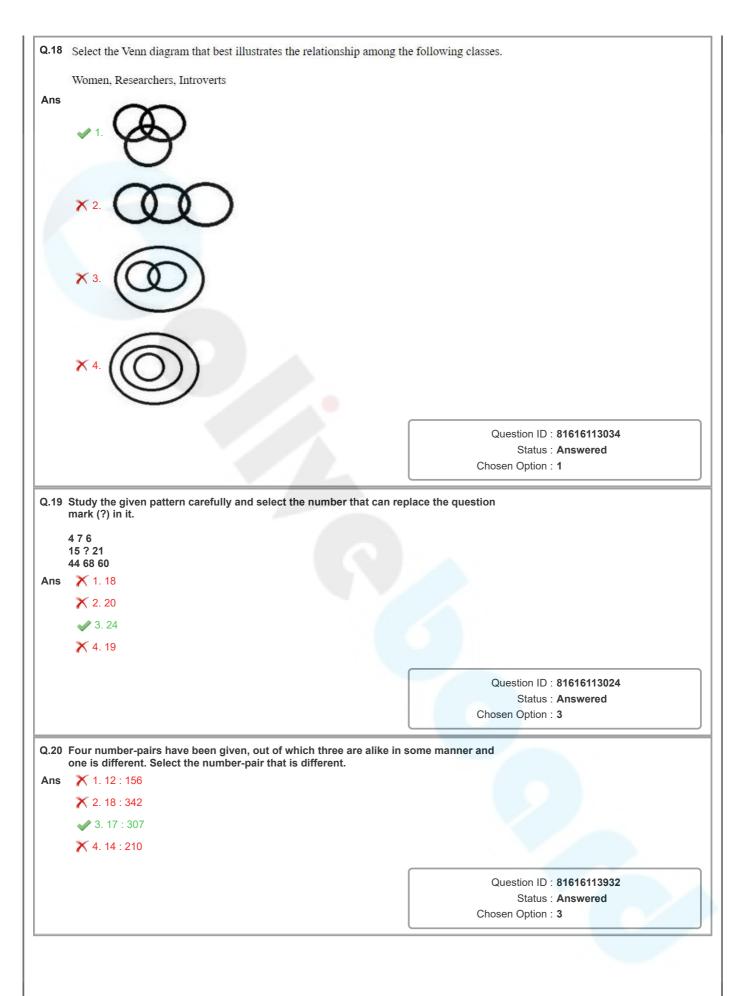
× My7QOFj

Question ID: 81616113335

Status: Answered

Q.14 Out of the total number of players, 100/3 % are in hotel X and the remaining are in hotel Y. If 20 players from hotel Y are shifted to hotel X, then the number of players in hotel X becomes 50% of the total number of players. If 20 players from hotel X are shifted to hotel Y, then the number of players in hotel X becomes what per cent of the total number of players? Ans **1.** 16.67% **X** 2. 20.67% **X** 3. 12.75% **X** 4. 26.34% Question ID: 81616113330 Status : Not Attempted and Marked For Review Chosen Option: --Q.15 Select the option that is related to the third word in the same way as the second word is related to the first word. Depression: Mood:: Insomnia:? Ans X 1. Dreams X 2. Night X 3. Thinking 4. Sleep Question ID: 81616113822 Status: Answered Chosen Option: 4 Q.16 How many triangles are there in the given figure? Ans × 1. 10 X 2. 12 **3**. 11 X 4. 13 Question ID: 81616113938 Status: Marked For Review Chosen Option: 3 Q.17 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. PNNA, RPPE, TRRI, VTTO, ? X 1. YVVU Ans X 2. XWWU X 3. YUUV 4. XVVU Question ID: 81616113313

Status: Answered



Q.21 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. $L_UA_Z_N_AP_L_U_PZ$ **Ans** X 1. N, L, P, A, N, U, Z 2. N, P, L, U, Z, N, A X 3. P, L, U, Z, N, A, N X 4. P, N, L, Z, U, A, N Question ID: 81616113321 Status: Answered Chosen Option: 2 Q.22 In a certain code language, 'AROUND' is coded as '52182412144' and 'FIX' is coded as '63624'. How will 'PLASTIC' be coded in that language? X 1. 1612522021363 Ans X 2. 1612261920183 **X** 3. 1812521920383 4. 1612521920363 Question ID: 81616113926 Not Attempted and Status: Marked For Review Chosen Option: --Q.23 Select the option in which the numbers are related in the same way as are the numbers of the following set. (25, 18, 225) X 2. (17, 15, 220) **X** 3. (9, 16, 170) **X** 4. (15, 34, 190) Question ID: 81616113934 Status: Answered Chosen Option: 1 Q.24 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different. X 1. Intelligence Ans X 2. Aptitude 3. Weight X 4. Memory Question ID: 81616113922 Status: Answered Chosen Option: 3

	In a certain code language, 'PERMIT' is written as 'VVLNOG'. Ho	w will 'INERTIA' be
	written in that language?	
Ans	✓ 1. OMYIZRU	
	X 2. XOYHCZU	
	X 3. XYOHBCU X 4. XYOHBCU X 5. XYOHBC	
	X 4. OHYXZCU	
		Question ID : 81616113016
		Status : Marked For Review
		Chosen Option : 1
	on : General Awareness	
	Which of the following statements about Swami Dayanand Sara	swati is INCORRECT?
Ans	X 1. His birthplace was Gujarat.	
	X 2. He authored the book 'Satyarth Prakash'.	
	3. He was the founder of Brahmo Samaj.	
	X 4. He was the founder of Arya Samaj.	
		Question ID : 81616113957
		Status : Answered
		Chosen Option : 3
	X 2. Mouma Das✓ 3. Sudarshan SahooX 4. Sumitra Mahajan	
	Who among the following was one of the founders of the Hindus Association? ✓ 1. Ram Prasad Bismil ✓ 2. Lala Lajpat Rai ✓ 3. Jatindranath Mukherjee	Question ID : 81616113859 Status : Marked For Review Chosen Option : 3
	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee	Status : Marked For Review Chosen Option : 3
	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai	Status : Marked For Review Chosen Option : 3
	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee	Status : Marked For Review Chosen Option : 3
Ans	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4
Q.4	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Co	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4
Ans	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Coheld?	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4
Q.4	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Coheld? 1. 1925	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4
Q.4	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Coheld? 1. 1925 2. 1939	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4
Ans	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Coheld? 1. 1925 2. 1939 3. 1931	Status: Marked For Review Chosen Option: 3 Stan Republic Question ID: 81616113352 Status: Marked For Review Chosen Option: 4 Inference in London
Q.4	Association? 1. Ram Prasad Bismil 2. Lala Lajpat Rai 3. Jatindranath Mukherjee 4. Surya Sen In which of the following years was the Second Round Table Coheld? 1. 1925 2. 1939 3. 1931	Status : Marked For Review Chosen Option : 3 Stan Republic Question ID : 81616113352 Status : Marked For Review Chosen Option : 4

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	In which of the following years was the Planning Commission of In	dia set up?
Ans	★ 1. 1962	
	✓ 2. 1950	
	★ 3. 1958	
	★ 4. 1945	
		Question ID : 81616113357
		Status : Answered Chosen Option : 2
		3
Q.6	As per the Union Budget of 2021-22, how many regional national in	stitutes of virology
	will be set up?	
Ans	✓ 1. Four	
	★ 2. Two	
	X 3. Three	
	★ 4. Six	
		2 11 12 200001
		Question ID : 81616113947 Status : Marked For Review
		Chosen Option : 4
Q.7	Electron-volt is a unit of	
Ans	✓ 1. energy	
	★ 2. power	
	X 3. current	
	★ 4. potential difference	
		Question ID : 81616113950
		Status : Answered Chosen Option : 1
		Chican option: 1
Q.8	Who among the following was elected as the President of Veterinar	y Council of India
A	in January 2021?	
Ans	X 1. KK Verma	
	X 2. Dipankar Seth	
	✓ 3. Umesh Sharma	
	X 4. Rajeev Arora	
		2 " 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		Question ID : 81616113361 Status : Marked For Review
		Chosen Option : 3
Q.9	Which of the following places is famous for a copper mine?	
Ans	🗙 1. Gaya	
	X 2. Keonjhar	
	★ 4. Satna	
		Question ID : 81616113854
		Status : Answered
		Chosen Option : 3

Q.10	is the structural and functional unit of kidney.	
Ans	X 1. Medulla	
	X 2. Ureter	
	X 3. Cortex	
	✓ 4. Nephron	
	•	
		Question ID : 81616113042
		Status : Answered
		Chosen Option : 4
) 11	Unique Transaction Reference number is a char	acter code used to uniquely
	identify a transaction in the RTGS system.	actor code acca to amquery
Ans	X 1. 45	
	✓ 2. 22	
	★ 3. 34	
	X 4. 17	
		Question ID : 81616113340
		Status : Marked For Review
		Chosen Option : 4
 2.12	Gurdwara Patalpuri Sahib is located on the bank of rive	r .
Ans	★ 1. Ganga	
	X 2. Beas	
	X 3. Yamuna	
	✓ 4. Sutlej	
	1. Suits	
		Question ID : 81616113945
		Status : Marked For Review
		Chosen Option : 4
2.13	Who among the following won the '3rd Rabindranath Ta	gore Literary Prize' for his
	novel 'The City and The Sea' in December 2020?	
Ans	★ 1. Shekhar Gupta	
	X 2. Rajdeep Sardesai	
	★ 3. Siddhartha Sarma 1. Sarm	
	✓ 4. Raj Kamal Jha	
		Question ID : 81616113355
		Status : Marked For Review
		Chosen Option : 4
		of linear momentum?
Q.14	Which of the following has the same dimension as that	
	Which of the following has the same dimension as that \nearrow 1. Work	
	★ 1. Work★ 2. Energy	
	★ 1. Work★ 2. Energy★ 3. Impulse	
	★ 1. Work★ 2. Energy	
Q.14 Ans	★ 1. Work★ 2. Energy★ 3. Impulse	
	★ 1. Work★ 2. Energy★ 3. Impulse	Question ID : 81616113848 Status : Answered

Q.15	a 'disturbed area' for six more months under the Armed Fo 1958 (AFSPA).				
Ans	X 1. Punjab				
	🗙 2. Jharkhand				
	★ 4. West Bengal				
		Question ID : 81616113867			
		Status : Answered Chosen Option : 3			
		Chosen Option . 3			
	For which of the following franchise teams did AB de Villie	rs play in IPL 2020?			
Ans	X 1. Delhi Capitals				
	X 2. Kolkata Knight Riders				
	★ 3. Mumbai Indians				
	✓ 4. Royal Challengers Bangalore				
		Question ID : 81616113863			
		Status : Answered			
		Chosen Option : 4			
_					
Q.17	In Leh, the first ever ice climbing festival was celebrated in 2021.	valley in January			
	X 1. Dras				
ans					
Ans					
Ans	X 2. Ripchar				
Ans	X 2. RipcharX 3. Markha				
Ans	X 2. Ripchar				
Ans	X 2. RipcharX 3. Markha	Question ID : 81616113035			
Ans	X 2. RipcharX 3. Markha	Status : Answered			
Ans	X 2. RipcharX 3. Markha				
	X 2. RipcharX 3. Markha✓ 4. Nubra	Status : Answered Chosen Option : 4			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials?	Status : Answered Chosen Option : 4			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction	Status : Answered Chosen Option : 4			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation 	Status : Answered Chosen Option : 4			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction	Status : Answered Chosen Option : 4			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation 	Status : Answered Chosen Option : 4			
	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation 	Status : Answered Chosen Option : 4 se materials rise upward and			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation 	Status : Answered Chosen Option : 4 se materials rise upward and Question ID : 81616113346			
Q.18	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation 	Status : Answered Chosen Option : 4 se materials rise upward and			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection 	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the same content of the plant sanctuary is located in which of the same content of the plant sanctuary is located in which sanctuary is located i	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Ω.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam X 2. Goa 	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less dens are replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam X 2. Goa 	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam X 2. Goa X 3. Karnataka 	Status: Answered Chosen Option: 4 Ge materials rise upward and Question ID: 81616113346 Status: Answered Chosen Option: 4 The following states?			
Q.18 Ans	 X 2. Ripchar X 3. Markha ✓ 4. Nubra Which of the following is a process in which hot, less densare replaced by colder, more dense materials? X 1. Conduction X 2. Radiation X 3. Condensation ✓ 4. Convection Baghmara Pitcher Plant Sanctuary is located in which of the X 1. Assam X 2. Goa X 3. Karnataka 	Status : Answered Chosen Option : 4 See materials rise upward and Question ID : 81616113346 Status : Answered Chosen Option : 4			

2.20	Who among the following replaced Morarji Desai as the Prii 1979?	me Minister of India in
Ans	★ 1. Chandrasekhar	
	🗙 2. Jagjivan Ram	
	X 4. Devi Lal	
		Question ID : 81616113962 Status : Marked For Review
		Chosen Option : 3
.21	Which of the following schemes is aimed at helping acceler broadband internet services?	rate the uptake of
ns	★ 1. PM-INTERNET	
	✓ 2. PM-WANI	
	X 3. PM-DHWANI	
	X 4. PM-VAARTA	
		Question ID : 81616113865 Status : Answered
		Chosen Option: 2
	Which of the following is the application of sciences such a biology, computer science and engineering to matters of la	
ns	of various facts of civilian investigation? 1. Kalology	
	× 2. Morphology	
	✓ 3. Forensic science	
	X 4. Psychology	
		Question ID : 81616113039
		Status : Answered
		Chosen Option : 3
.23	Who won the Toyota Thailand Open Women's Singles Title	in Bangkok in January
	2021?	
ns	X 1. Tai Tzu-ying	
	X 2. Ashwini Ponnappa	
	✓ 3. Carolina Marin	
	✓ 3. Carolina Marin✓ 4. PV Sindhu	
		O
		Question ID : 81616113056 Not Attempted and
		Status : Not Attempted and Marked For Review
24	4. PV Sindhu	Status : Not Attempted and Marked For Review Chosen Option :
		Status : Not Attempted and Marked For Review Chosen Option :
	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar 	Status : Not Attempted and Marked For Review Chosen Option :
	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar ★ 2. Gopalpur 	Status : Not Attempted and Marked For Review Chosen Option :
	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar ★ 2. Gopalpur ★ 3. Mangalore 	Status : Not Attempted and Marked For Review Chosen Option :
	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar ★ 2. Gopalpur 	Status : Not Attempted and Marked For Review Chosen Option :
2.24 Ans	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar ★ 2. Gopalpur ★ 3. Mangalore 	Status : Not Attempted and Marked For Review Chosen Option :
	 ★ 4. PV Sindhu Which of the following is NOT a town/city on the west coast ★ 1. Karwar ★ 2. Gopalpur ★ 3. Mangalore 	Status: Not Attempted and Marked For Review Chosen Option:

Q.25 Who among the following had written Kitab-ul-Hind that gave an incisive description of early 11th Century India?

Ans

X 1. Al-Khwarizmi

2. Al-Biruni

X 3. Al-Kindi

X 4. Al-Bukhari

Question ID : 81616113050

Status: Answered

Chosen Option: 2

Section: Quantitative Aptitude

Q.1 Study the following table and answer the question:

Number of cars sold by dealers A, B, C, D & E during first six months of 2018.

Month Dealer	January	February	March	April	May	June
A	620	640	628	635	430	625
В	600	642	635	580	450	620
C	640	635	640	540	625	740
D	520	645	722	740	600	780
E	548	638	720	740	650	800

The ratio of the total number of cars sold by dealer B in January, April and June to the total number of cars sold by dealers A and D in March is:

Ans

X 1. 8:9

√ 2. 4:3

X 3. 10:9

X 4. 7:5

Question ID: 81616114192

Status : Answered

Chosen Option : 2

Q.2 Let
$$\triangle$$
 ABC \sim \triangle PQR and $\frac{ar(\triangle ABC)}{ar(\triangle QPR)} = \frac{144}{49}$. If AB = 12 cm, BC = 7 cm and AC = 9 cm, then PR (in cm) is equal to:

Δns

X 1. 49

 \times 2. $\frac{108}{7}$

 $\sqrt{3}$. $\frac{21}{4}$

X 4. 12

Question ID: 81616113380

Status: Answered

Q.3 If $\frac{\cos^2 \theta}{\cot^2 \theta + \sin^2 \theta - 1} = 3$, $0^{\circ} < \theta < 90^{\circ}$, then the value of $(\tan \theta + \csc \theta)$ is:

Ans

$$\sqrt{1.} \frac{5\sqrt{3}}{3}$$

× 2. 3√3

× 3. 2√3

 \times 4. $\frac{4\sqrt{3}}{2}$

Question ID: 81616113987

Status: Marked For Review

Chosen Option: 1

Q.4 If $8(x+y)^3 - 27(x-y)^3 = (5y-x)(Ax^2 + By^2 + Cxy)$, then what is the value of (A+B-C)?

√ 2. 36

X 3. -26

X 4. -16

Question ID: 81616113072 Status: Answered

Chosen Option: 2

If x + y = 4 and $\frac{1}{x} + \frac{1}{y} = \frac{16}{15}$, then what is the value of $(x^3 + y^3)$?

X 2. 16

√ 3. 19

X 4. 21

Question ID: 81616113879

Status: Answered

Chosen Option: 3

Q.6 \triangle ABC \sim \triangle PQR. The areas of \triangle ABC and \triangle PQR are 64 cm² and 81 cm², respectively and AD and PT are the medians of \triangle ABC and \triangle PQR, respectively. If PT = 10.8 cm, then AD = ?

Ans

X 2. 9 cm

√ 3. 9.6 cm

X 4. 12 cm

Question ID: 81616113884

Status: Answered

Q.7 A chord 21 cm long is drawn in a circle of diameter 25 cm. The perpendicular distance of the chord from the centre is:

Ans

X 1. √41

× 2. √23

× 3. √56

√ 4. √46

Question ID: 81616113377 Status : Answered

Chosen Option: 4

Q.8 Study the table and answer the question.

Table shows District-wise data of the number of primary school teachers posted in schools of a city.

District	Male teachers	Female teachers
East	1650	2375
North	1075	2651
West	1280	1520
South	1170	1085
Central	690	859

What is the ratio of the number of male teachers to the number of female teachers in the city?

Ans X 1. 586:849

√ 2. 391:566

X 3. 78:113

X 4. 195: 283

Question ID: 81616112677

Status: Answered

Chosen Option: 4

Q.9 X, Y are two points in a river. Points P and Q divide the straight line XY into three equal parts. The river flows along XY_and the time taken by a boat to row from X to Q and from Y to Q are in the ratio 4:5. The ratio of the speed of the boat downstream to that of the river current is equal to:

Ans X 1. 3:10

√ 2. 10:3

X3.3:4

X4. 4:3

Question ID: 81616113069

Status: Answered

Q.10 When x is subtracted from each of 19, 28, 55 and 91, the numbers so obtained in this order are in proportion. What

Ans X 1. 8

2. 7

X 3. 9

X 4. 5

Question ID: 81616113066 Status: Answered

Chosen Option : 2

Q.11 $\frac{\csc\theta}{\csc\theta-1} + \frac{\csc\theta}{\csc\theta+1} - \tan^2\theta, \, 0^\circ < \theta < 90^\circ,$ is equal to:

Ans \checkmark 1. $\sec^2 \theta + 1$

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

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

 \times 4. 1 – $\tan^2 \theta$

Question ID: 81616114090

Status: Answered

Chosen Option: 1

Q.12 The income of A is 45% more than the income of B and the income of C is 60% less than the sum of the incomes of A and B. The income of D is 20% more than that of C. If the difference between the incomes of B and D is ₹13200, then the income (in ₹) of C is:

Ans X 1. 72000

× 2. 72500

√ 3. 73500

× 4. 75000

Question ID: 81616113973

Status: Answered

Chosen Option: 3

Q.13 Length of each side of a rhombus is 13 cm and one of the diagonal is 24 cm. What is the area (in cm²) of the rhombus?

Ans 🗸 1. 120

X 2. 300

X 3. 60

X 4. 240

Question ID: 81616113373

Status: Answered

Q.14 Study the following table and answer the question:

Number of cars sold by dealers A, B, C, D & E during first six months of 2018.

Month	January	February	March	April	May	June
A	620	640	628	635	430	625
В	600	642	635	580	450	620
C	640	635	640	540	625	740
D	520	645	722	740	600	780
E	548	638	720	740	650	800

In July 2018, if the sales of cars by the dealer D increases by the same percentage as in June 2018 over its previous month, then what is the number of cars sold by D in July 2018?

Ans

X 1. 1020

X 2. 959

√ 3. 1014

X 4. 975

Question ID: 81616114194 Status: Answered

Chosen Option: 3

Q.15 Sides AB and DC of a cyclic quadrilateral ABCD are produced to meet at E and sides AD and BC are produced to meet at F. If $\angle ADC = 78^{\circ}$ and $\angle BEC = 52^{\circ}$, then the measure of $\angle AFB$ is:

Ans 💉 1. 28°

X 2. 26°

X 3. 32°

X 4. 30°

Question ID: 81616113984 Status: Answered

Chosen Option: 1

Q.16 Study the table and answer the question.

In the table, production and sale (in 1000 tonnes) of a certain product of a company over 5 years is given.

years	Production (in 1000 tonnes)	Sale (in 1000 tonnes)
2015	1250	1000
2016	1400	1290
2017	1450	1100
2018	1500	1450
2019	1600	1390

In which year(s) sale is more than 90% of the production?

Ans X 1. 2015, 2017, 2019

× 2. 2017, 2018

× 3. 2016, 2017

4. 2016, 2018

Question ID: 81616112679 Status: Answered

Find the value of $\cot 25^{\circ} \cot 35^{\circ} \cot 45^{\circ} \cot 55^{\circ} \cot 65^{\circ}$.

Ans

$$\times$$
 1. $\frac{1}{\sqrt{3}}$

$$\times$$
 3. $\frac{\sqrt{3}}{2}$

Question ID : 81616112777

Chosen Option: 4

Status : Answered

Q.18 Some fruits are bought at 15 for ₹140 and an equal number of fruits at 10 for ₹120. If all the fruits are sold at ₹132 per dozen, then what is the profit percent in the entire transaction?

Ans

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

$$\times$$
 3. $2\frac{1}{4}$

Question ID: 81616113873

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.19 What is the compound interest (in $\sqrt[3]{2}$) on a sum of $\sqrt[3]{8}$ 192 for $1\frac{1}{4}$ years at 15% per annum, if interest is compounded 5-monthly?

Ans

Question ID : 81616113976

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.20 To do a certain work, A and B work on alternate days with B beginning the work on the first day. A alone can complete the same work in 24 days. If the work gets completed in $11\frac{1}{3}$ days, then B alone can complete $\frac{7}{9}$ th part of the original work in:

Ans

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

$$\times$$
 3. $5\frac{1}{2}$ days

Question ID: 81616113977

Status : Not Attempted and Marked For Review

If $x + \frac{1}{x} = 4$, then the value of $x^5 + \frac{1}{x^5}$ is:

Ans X 1. 776

X 2. 684

√ 3. 724

X 4. 736

Question ID : 81616113982

Status : Answered

Chosen Option: 3

Q.22 The average of 28 numbers is 77. The average of first 14 numbers is 74 and the average of last 15 numbers is 84. If the

14th number is excluded, then what is the average of remaining numbers? (correct to one decimal places)

Ans X 1. 76.9

X 2. 77

X 3. 73.1

4. 74.7

Question ID: 81616113365

atus : Not Attempted and Marked For Review

Chosen Option: --

Q.23 The value of $20 \div 5$ of $8 \times [9 \div 6 \times (6-3)] - (10 \div 2$ of 20) is:

Ans × 1. 1

✓ 2. 2

X 3. 0

X 4. 6

Question ID: 81616113869

Status : Answered

Chosen Option: 2

Q.24 If the 5-digit number 676xy is divisible by 3, 7 and 11, then what is the value of (3x - 5y)?

Ans X 1. 10

X 2. 11

√ 3. 9

X 4. 7

Question ID: 81616113969

Status: Not Answered

Chosen Option : --

Q.25 A shopkeeper earns a profit of 21% after selling a book at 21% discount on the printed price. The ratio of the cost price and selling price of the book is: Ans X 1. 79:100 X 2. 100:79 X 3. 121:100 4. 100 : 121 Question ID: 81616113063 Status: Answered Chosen Option: 4 Section: English Comprehension Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. While washing your hands, rub them together for 20 seconds to remove the microbes X 1. the microbes on those Ans X 2. the microbes on they X 3. the microbes on their 4. No substitution Question ID: 81616113393 Status: Marked For Review Chosen Option: 4 Q.2 Select the option that expresses the given sentence in passive voice. The invigilator is advising the students not to carry calculators into the examination Ans X 1. The students were advised not to carry calculators into the examination hall. 2. The students are being advised by the invigilator not to carry calculators into the examination hall. X 3. The students have been advised not to carry calculators into the examination hall by the invigilator. X 4. The students were advised the invigilator not to carry calculators into the examination hall. Question ID: 81616113996 Status: Answered Chosen Option: 2 Q.3 Select the INCORRECTLY spelt word. Ans 🗳 1. Voilence X 2. Exterminated X 3. Wildernesses X 4. Unmanageable Question ID: 81616113916 Status: Marked For Review Chosen Option: 4

Q.4 Select the option that expresses the given sentence in indirect speech. "Everything is going to be alright," said the doctor. Ans X 1. The doctor said that everything is going to be alright. 2. The doctor said that everything are going to be alright. 3. The doctor said that everything was going to be alright. 4. The doctor said that everything will be alright. Question ID: 81616113391 Status: Answered Chosen Option: 3 Q.5 Select the option that can be used as a one-word substitute for the given group of words. A herd or flock of animals being driven in a body 1. Drove Ans X 2. Crowd X 3. Cluster X 4. Throng Question ID: 81616114015 Status: Marked For Review Chosen Option: 3 Q.6 Select the most appropriate ANTONYM of the given word. Gradual X 1. Gentle Ans 2. Abrupt X 3. Regular X 4. Slow Question ID: 81616113102 Status: Answered Chosen Option: 2 Q.7 Select the most appropriate option to fill in the blank. 21 MIG-29 and 12 Sukhoi-30MKI fighters from India is formally moving ahead to _ Russia along with upgrades of their existing fleets. Ans X 1. advance X 2. accomplish X 3. achieve 4. procure Question ID: 81616113413 Status: Marked For Review Chosen Option: 3

Q.8 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Had you / not reached in time, / we will have / lost our lives. Ans X 1. not reached in time X 2. Had you X 3. lost our lives 4. we will have Question ID: 81616113085 Status: Answered Chosen Option: 4 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. You must avoid riding in a crowded bus / or travelling in a metro / during rush hour / as both are quiet unpleasant experiences. X 1. during rush hour X 2. or travelling in a metro X 3. You must avoid riding in a crowded bus 4. as both are quiet unpleasant experiences Question ID: 81616113995 Status: Answered Chosen Option: 4 Q.10 Select the most appropriate meaning of the given idiom. Bang for the buck Ans 1. More value for money 2. Less value for money X 3. A sorrowful heart X 4. Dash against something Question ID: 81616113104 Status: Marked For Review Chosen Option: 2 Q.11 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. But the eagle, in wrath, gave the beetle a flap of his wing, and straightaway seized upon the hare and devoured him. B. The beetle therefore interceded with the eagle, begging of him not to kill the poor suppliant, and pleaded with him not to kill so small an animal. C. When the eagle flew away, the beetle flew after him, to learn where his nest was. D. A hare, being pursued by an eagle, took himself for refuge to the nest of a beetle, whom he begged to save him. X 1. CBAD Ans 2. DBAC X 3. DCAB X 4. ACDB Question ID: 81616113905 Status: Marked For Review Chosen Option: 2

e the bar 1. To grow taller 2. To win a competition 3. To raise the price 4. To set higher goals	
2. To win a competition 3. To raise the price	
3. To raise the price	
4. To set higher goals	
	Question ID: 81616113103 Status: Marked For Review
	Chosen Option : 4
	·
ct the option that can be used as a one-word substitute for the g s.	given group of
oup of three novels or plays, each complete in itself	
1. Triplet	
2. Trivet	
3. Triumvir	
4. Trilogy	
	Question ID : 81616114014
	Status : Marked For Review
	Chosen Option: 2
and domestic made Kajal short-tempered. 1. weights 2. gravities	
3. pressures	
4. forces	
	Question ID : 81616114018
	Status : Answered Chosen Option : 3
ct the most appropriate synonym of the given word.	
ma	
me	
ne 1. Country	
1. Country	
1. Country 2. Space	
1. Country 2. Space 3. Territory	
1. Country 2. Space 3. Territory	Question ID : 81616113402 Status : Answered
-	pace

Q.16 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. When we got near, we saw it was the steam rising from hot springs. B. We saw in the distance a great column of smoke. C. We wondered if it came from a chimney or a burning house. D. We thought of taking a bath in the hot water. Ans X 1. ACDB X 2. ABCD X 4. BCDA Question ID: 81616113098 Status: Answered Chosen Option: 3 Q.17 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The toy drummer plays the drum if you press the button at the back. 1. No substitution Ans X 2. will play the drum if you will press X 3. playing the drum if you pressed X 4. played the drum if you are pressing Question ID: 81616113998 Status: Marked For Review Chosen Option: 1 Q.18 Select the most appropriate synonym of the given word. Generic Ans X 1. Definite X 2. Specific X 3. Precise 4. Universal Question ID: 81616113403 Status: Marked For Review Chosen Option: 4 Q.19 Select the INCORRECTLY spelt word. X 1. Creature X 2. Specified X 3. Decrease 4. Pieceful Question ID: 81616113915 Status: Answered Chosen Option: 4

Q.20	Q.20 Select the most appropriate ANTONYM of the given word.			
	Seize			
Ans	X 1. Grab			
	✓ 2. Loosen			
	X 3. Snatch			
	X 4. Catch			
		Question ID : 81616113909		
		Status : Answered Chosen Option : 2		
		Onoscii Opion . 2		
	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.			
	What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1) Melipona Bees (stingless bees) a breed found in protected areas (2) 700 to 1,500 metres above sea level. Due (3) their small size, they can get larger nutrients (4) regular honeybees. It has a tangy/sour taste and can (5) your sore throat in a matter of minutes.			
	SubQuestion No : 21			
Q.21	21 Select the most appropriate option to fill in blank n <mark>um</mark> ber 1.			
Ans	X 1. through			
	× 2. with			
	★ 3. of			
	✓ 4. by			
		Overting ID. MANAGEMEN		
		Question ID : 81616113900 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.			
	What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1) Melipona Bees (stingless bees) a breed found in protected areas (2) 700 to 1,500 metres above sea level. Due (3) their small size, they can get larger nutrients (4) regular honeybees. It has a tangy/sour taste and can (5) your sore throat in a matter of minutes.			
	SubQuestion No: 22			
	Select the most appropriate option to fill in blank number 2.			
Ans	√ 1. between			
	X 2. after			
	X 3. midst			
	★ 4. among			
		Question ID : 81616113901		
		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.		
	What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1) Melipona Bees (stingless bees) a breed found in protected areas (2) 700 to 1,500 metres above sea level. Due (3) their small size, they can get larger nutrients (4) regular honeybees. It has a tangy/sour taste and can (5) your sore throat in a matter of minutes.		
	SubQuestion No: 23		
Q.23	Select the most appropriate option to fill in blank number 3.		
Ans	✓ 1. to		
	★ 2. for		
	★ 3. of		
	X 4. at		
	•		
		Question ID : 81616113902	
		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.		
	What every tourist must take back from Bhutan is pure honey, especially		
	honey produced (1) Melipona Bees (stingless bees) a breed found (2) 700 to 1,500 metres above sea level. Due (3) their small		
(2) 700 to 1,500 metres above sea level. Due (3) their small size, they can get larger nutrients (4) regular honeybees. It has a tangy/sour taste and can (5) your sore throat in a matter of minutes.			
	SubQuestion No : 24		
Q.24	Subquestion No : 24 4 Select the most appropriate option to fill in blank number 4.		
Ans	X 1. then		
	X 2. though		
	✓ 3. than		
	X 4. and		
	A. and		
		Question ID : 81616113903	
		Status : Answered	
		Chosen Option: 3	
	Comprehension:		
	In the following passage, some words have been deleted. Fill in the blank alternatives given. Select the most appropriate option for each blank.	s with the help of the	
	What every tourist must take back from Bhutan is pure honey, especially		
	honey produced (1) Melipona Bees (stingless bees) a breed found		
	(2) 700 to 1,500 metres above sea level. Due (3) their small size, they can get larger nutrients (4) regular honeybees. It has a tangy/sour taste and can (5) your sore throat in a matter of minutes.		
	SubQuestion No : 25		
Q.25	Select the most appropriate option to fill in blank number 5.		
Ans	√ 1. soothe		
	X 2. pacify		
	X 3. appease		
	X 4. calm		
	FY T. VAIIII		
		Question ID : 81616113904	
		Status : Marked For Review	
		Chosen Option : 1	