

COMBINED GRADUTE LEVEL EXAMINATION

TIER I - 2022

SSC CGL- Tier-I

Previous Year Paper 01 Dec 2022 Shift 4





Combined Graduate Level Examination Tier I 2022

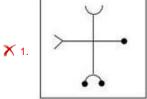
Roll Number	
Candidate Name	
Venue Name	
Exam Date	01/12/2022
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2022

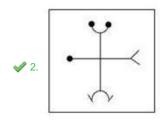
Subj	Combined Graduate Level Examination Fier 1 2022
Section	on : General Intelligence and Reasoning
	'A @ B' means 'A is the husband of B'. 'A & B' means 'A is the mother of B'. 'A # B' means 'B is the daughter of A'. If G # H & I @ J & K, then how is H related to J?
Ans	X 1. Mother
	X 2. Brother
	X 3. Sister
	✓ 4. Mother-in-law
Q.2	Select the correct mirror image of the given combination when the mirror is placed at line 'MN' as shown. b j F 8 7 s
Ans	×1 s ∠ 8 J j d
	bjF87s.2
	3. S Z 8 7 [d
	P j E 8 7 s .4
Q.3	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)
	(40, 120, 400) (18, 20, 78)
Ans	✓ 1. (29, 23, 98)
	X 2. (56, 14, 108)
	X 3. (25, 27, 92)
	X 4. (11, 720, 660)

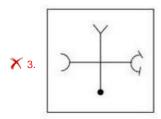


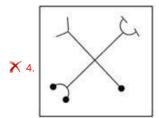
Q.4 Select the figure that will come next in the following figure series.

Ans









		_

Q.5 Select the number from among the given options that can replace the question mark (?) in the following series. 5, 10, 17, 26, 37, 50, ?

Ans X 1.58

2. 65

X 3.76

X 4.54

	$\overline{}$
	- 1
	- 1
	- 1
	- 1
	- 1
	- 1
	- 1
	- 1
	- 1



Ans	.6 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some white are car. II. No truck is car. Conclusion: I. All truck are white. II. Some car are white.	
X 3. Only conclusions I and II follows X 4. Both conclusions I and II follows Q.7 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. 24: 840:: 27: ?:: 33:1452 Ans X 1. 756 X 2. 297 ✓ 3. 1026 X 4. 729 Q.8 Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different. Ans X 1. MPT X 2. FIM X 3. GJN ✓ 4. DGI Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans X 1. FFAALEB ✓ 2. FFAALEB		Ans
Q.7 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. 24: 840:: 27: ?3: 33: 1452 Ans		
Q.7 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. 24: 840:: 27: ? :: 33: 1452 Ans	X 3. Only conclusion I follows	
related to the first term and the sixth term is related to the fifth term. 24: 840:: 27:?:: 33:1452 Ans	X 4. Both conclusions I and II follows	
related to the first term and the sixth term is related to the fifth term. 24: 840:: 27:?:: 33:1452 Ans		
 X 2.297 ✓ 3.1026 X 4.729 Q.8 Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different. Ans X 1. MPT X 2. FIM X 3. GJN ✓ 4. DGI Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans X 1. FFAALEB ✓ 2. FFAAELB 	related to the first term and the sixth term is related to the fifth term.	
 ✓ 3. 1026 ★ 4. 729 Q.8 Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different. Ans ★ 1. MPT ★ 2. FIM ★ 3. GJN ✓ 4. DGI Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans ★ 1. FFAALEB ✓ 2. FFAAELB 	ns X 1.756	Ans
Q.8 Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different. Ans	★ 2.297	
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one is different. Select the one that is different. Ans	★ 4.729	
one is different. Select the one that is different. Ans		
Ans X 1. MPT X 2. FIM X 3. GJN 4. DGI Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans X 1. FFAALEB 2. FFAAELB		
 X 3. GJN ✓ 4. DGI Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans X 1. FFAALEB ✓ 2. FFAAELB 		
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Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans 1.FFAALEB 2. FFAAELB	X 3. GJN	
Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans 1. FFAALEB 2. FFAAELB		
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written as 'BABYTIS'. How will 'AFFABLE' be written in that language? Ans 1. FFAALEB 2. FFAAELB		
✓ 2. FFAAELB	written as 'BABYTIS'. How will 'AFFABLE' be written in that language?	
	ns X 1. FFAALEB	Ans
X 3 FFΔΔFRI		
	★ 3. FFAAEBL	
★ 4. AAFFELB	★ 4. AAFFELB	



Q.10 Select the option figure that is embedded in the given figure. (Rotation is not allowed). Ans Q.11 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.

BEAR: DFCS:: FEEL: HFGM:: MANY:? **X** 1. OBPY Ans X 2. OCPZ ✓ 3. OBPZ **X** 4. OBQZ



	Select the option that represents the correappear in an English dictionary. 1. Inundate 2. Invidious 3. Individual 4. Inveterate 5. Invective 6. Invincible 7. Inviolable	ct order of the given words as they would
Ans	X 1. 1, 5, 4, 2, 3, 6, 7	
	2. 1, 5, 3, 4, 2, 6, 7	
	√ 3. 3, 1, 5, 4, 2, 6, 7	
	X 4. 3, 1, 5, 4, 6, 2, 7	
	the sister of R?	× B means that A is the sister of B, A ÷ B of the following expression shows that P is
Ans	X 1. P × Q + R	
	X 2. P + Q × R	
	W	
	X 3. P x Q ÷ R	
	X 3. P x Q ÷ R ✓ 4. P x Q + R	
Q.14	√ 4. P x Q + R Which letter cluster will replace the question √ 4. P x Q + R √ 4. P x Q + R ✓ 6. P x Q + R ✓ 7. P x Q + R ✓ 8. P x Q + R ✓ 8. P x Q + R ✓ 9. P x Q + R ✓ 1. P x	on mark (?) to complete the given series?
	✓ 4. P × Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME	on mark (?) to complete the given series?
Q.14 Ans	 ✓ 4. P × Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME 	on mark (?) to complete the given series?
	 ✓ 4. P × Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME ✓ 2. NKME 	on mark (?) to complete the given series?
	 ✓ 4. P x Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME ✓ 2. NKME ✓ 3. NIME 	on mark (?) to complete the given series?
	 ✓ 4. P × Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME ✓ 2. NKME 	on mark (?) to complete the given series?
	 ✓ 4. P x Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME ✓ 2. NKME ✓ 3. NIME 	on mark (?) to complete the given series?
	 ✓ 4. P x Q + R Which letter cluster will replace the question NAME, NEME, ?, NOME, NUME ✓ 1. NMME ✓ 2. NKME ✓ 3. NIME 	on mark (?) to complete the given series?



Q.15	Which continu	figure s ed?	hould rep	lace the	e que	stion n	nark (?) if th	e serie	es were	e to be					
	Р	0	A Z	С	Р		Ω	Α	0	Р						
	٥	S	СО	S	= 1	Z	S	Р	٥	S	С	?				
	Z	=		Q	Α	0	С	=	= 1	Z	Α		3			
Ans		=	Z	Α												
	v 1.	О	S]											
			Р	C												
	3		Z	Α												
	X 2.	0	S													
		O	Р	С												
	Î	=	С	0												
	X 3.	Р	S	Ζ												
		Α	Ω													
		=	С	0	N											
	X 4.	Р	S	Z												
		Α	0]											
	signs a	nd bala	nce the	inatio	n of r	nathe	matica	al sigr	ns to s	seque	ntially	replace the *				
	35 * 5 * 1.	7 * 2 * 1	9 = 42													
		÷, ×, +,														
		+, -, +, - ÷, ×, -, -														
	# N 4.	., , , ,, ,														



Q.17 A paper is folded and cut as shown below. How will it appear when unfolded? Ans Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed). (16, 7, 37) (28, 9, 55) **X** 1. (19, 6, 36) Ans **2**. (13, 4, 25) **X** 3. (20, 7, 45) **X** 4. (23, 8, 48)



Q.19	Read the given statement(s) and conclusions carefully. As given in the statements is true, even if it appears to be at known facts, decide which of the given conclusions logistatement(s).	t variance with commonly
	Statements: Some stones are cubes.	
	No cube is a glass. All bats are cubes.	
	Conclusions: I. Some stones being bats is a possibility.	
	II. No bat is a glass.	
	III. All cubes are bats. IV. No stone is a glass.	
Ans		
	X 2. Only Conclusions II and III follow	
	✓ 3. Only Conclusions I and II follow	
	X 4. Only Conclusion I follows	
Q.20	Select the option that is related to the fifth letter-cluster in letter-cluster is related to the first letter-cluster and the fit to the third letter-cluster.	
	LAMB: DPEQ:: MOTH: JWSR:: NERD:?	
Ans	X 1. FVJS	
	X 2. FUJS	
	X 3. FVIS	
	✓ 4. FUIS	
Q.21	In a certain code language, 'FUEL' is coded as '50' and 'JE 'FARE' be coded in that language?	EER' is coded as '44'. How will
Ans	X 1.38	
	X 2.34	
	★ 3.40	
	✓ 4. 36	
Q.22	? Which of the following interchanges of numbers and mat the given equation correct? 729 x 81 ÷ 20 + 16 − 6 = 50	hematical signs would make
Ans	√ 1. 6 and 20, x and ÷	
	× 2. 20 and 50, + and -	
	X 3. 16 and 50, x and +	
	X 4. 16 and 20, + and ÷	



Q.23	3 A series is given with one term missing. Select the correct alternative f ones that will complete the series. RTM, VZX, ZFI, DLT, ?	from the given
Ans	s	
	X 2. RST	
	X 3. TMO	
	X 4. HRS	
Q.24	4 Select the odd group of numbers. (NOTE: Operations should be per whole numbers, without breaking down the numbers into its constituer – Operations on 13 such as adding /subtracting /multiplying etc. to 13 performed. Breaking down 13 into 1 and 3 and then performing mather operations on 1 and 3 is not allowed)	nt digits. E.g.13 can be
Ans	s ✓ 1. (15 – 220 – 215)	
	★ 2. (10 − 100 − 95)	
	★ 3. (20 – 400 – 395)	
	★ 4. (25 – 625 – 620)	
Ans	will be not correct? x and -, 8 and 4 I. 4 + 3x 8 - 2 ÷ 1 = 3 II. 8 x 2 - 4 + 6 ÷ 2 = 11 X 1. Both I and II	
Alis	✓ 2. Only II	
	X 3. Neither I nor II	
	★ 4. Only I	
	r 4. omy	
Section	ion : General Awareness	
Q.1	The Asian Games 2018 were held in which of the following countries?	
Ans	x 1. South Korea	
	✓ 2. Indonesia	
	X 3. Japan	
	X 4. China	



Q.2 \	When is Raksha Bandhan celebrated in India as per the Hindu cal	endar?
Ans	★ 1. Amavasya, Shravan month	
	X 2. Poornima, Ashadha month	
	X 3. Amavasya, Ashadha month	
	✓ 4. Poornima, Shravan month	
	Protection of life and liberty is included under which Article of the India?	Constitution of
Ans	✓ 1. Article 21	
	× 2. Article 23	
	X 3. Article 24	
	X 4. Article 20	
	Which of the following is NOT the correct match?	
Ans	 ✓ 1. The acid present in tomato – Formic acid 	
	X 2. The acid present in orange – citric acid	
	X 3. The acid present in grapes – Tartaric acid	
	X 4. The acid present in rancid butter – Butyric acid	
Q.5	The percentage of earth's water found in the oceans is	
Ans	X 1. 94 percent	
	✓ 2. 97.2 percent	
	X 3. 90.2 percent	
	X 4. 92.2 percent	
Q.6 Ans	Decadal growth rate of population between 2001-2011 is *\times 1. 18.70 percent	
Allo	× 2. 15.70 percent	
	✓ 3. 17.70 percent	
	X 4. 16.70 percent	
	4. 10.70 percent	



Q.7	The Paramhans Mandali was founded in 1840 att of caste.	o work for the abolition
Ans		
	★ 2. Calcutta	
	✓ 3. Bombay	
	X 4. Madras	
	· · · · · · · · · · · · · · · · · · ·	
Q.8	Who was the Mughal emperor, when a massive rebellion agains in 1857?	st british rule broke out
Ans		
	✓ 2. Bahadur Shah Zafar	
	X 3. Akbar II	
	X 4. Aurangzeb	
	The motion ofbody is an example of uniformly accelerate	ated motion.
Ans		
	X 2. Decelerating	
	X 3. parabolic	
	✓ 4. freely falling	
Q.10	Gross primary deficit is the difference between	
Ans	1. revenue deficit and interest receipts	
	X 2. gross fiscal deficit and interest receipts	
	X 3. revenue deficit and interest payments	
	4. gross fiscal deficit and net interest liabilities	
0.11	Which of the following folk dances does NOT belong to the sta	to of Madhua Dradoch?
Ans		te or maunya Frauesii?
71110	× 2. Phulpati	
	X 3. Matki	
	X 4. Jawara	



Q.12	2 Which of the following venues was decided to host the 2022 A	Asian Games?
Ans	1. Hangzhou, China	
	🗶 2. Guangzhou, China	
	X 3. Incheon, South Korea	
	X 4. Jakarta, Indonesia	
	The Revolutionary Socialist Party was established in	
Ans		
	★ 2. 1925	
	√ 3. 1940	
	★ 4.1929	
0.14	1 Singers Sujatha and Ananthu have been awarded the Kalaima	amani Award for the year
	by the Tamil Nadu Government.	and in the year
Ans		
	× 2.2019	
	√ 3. 2021	
	★ 4. 2020	
0.45	Which of the fellowing element is more recetive then compare	
Ans	5 Which of the following element is more reactive than copper? 1. Gold	
	✓ 2. Zinc	
	X 3. Silver	
	X 4. Platinum	
	(4.1 faunum	
Q.16	5 The New Delhi International Arbitration Centre (Amendment) B	ill, 2022 was introduced
	in Lok Sabha on	
Ans		
	X 2. October 7, 2022	
	X 3. September 6, 2022	
	✓ 4. August 5, 2022	



Q.17	Who has been named as the next chairperson of the Sec India in March 2022?	curities and Exchange Board of
Ans		
	2. Madhabi Puri Buch	
	X 3. T. Raja Kumar ✓ T. Raja Kumar	
	★ 4. Ashwani Bhatia	
	FY T. ASHWAIII DHAIIA	
Q.18	Mangubhai Chhaganbhai Patel was appointed as the Go July 2021.	overnor ofin
Ans	√ 1. Madhya Pradesh	
	X 2. Himachal Pradesh	
	X 3. Uttar Pradesh	
	X 4. Arunachal Pradesh	
	How much purse money was given to a Sangeet Natak A	Akademi fellow in 2019?
Ans	× 1. ₹4 lakh	
	2. ₹3 lakh	
	3. ₹2 lakh	
	4. ₹1 lakh	
0.20	Which of the following enimals have a single eneming in	their dispetive evetem that
Q.20	Which of the following animals have a single opening in serves both as a mouth and an anus?	i their digestive system that
Ans	X 1. Arachnids	
	X 2. Echinoderms	
	3. Platyhelminthes	
	X 4. Arthropods	
Q.21	Which of the following city of India was a coastal settler goods from distant lands between 2200 and 1900 years	
Ans		
	X 2. Veerampattinam	
	X 3. Yanam	
	✓ 4. Arikamedu	
	- II Filliamoda	



Q.22	Which of the following is soda lime?	
Ans	1. Ca(OH) ₂ + CaO	
	2. KOH + CaO	
	3. $CaCl_2 + CaO$	
	✓ 4. NaOH + CaO	
Q.23	The Centre introduced a new bill called the Criminal Proc 2022. This Bill will repeal the Identification of Prisoners A	cedure (Identification) Bill Act which was established in
	X 1. 1930	
Ans		
	X 2.1950	
	★ 3. 1945	
	✓ 4. 1920	
	Where was the first Jute factory in India established?	
Ans	X 1. Cuttack, Odisha	
	X 2. Ongole, Andhra Pradesh	
	3. Rishra, West Bengal	
	X 4. Raigarh, Chhattisgarh	
Q.25	In which of the following states was 'Kudumbashree,' wo based, poverty-reduction programme implemented?	men-oriented, community
Ans	X 1. Maharashtra	
Allo	✓ 2. Kerala	
	X 3. Bihar	
	X 4. Uttar Pradesh	
Section	n : Quantitative Aptitude	
Q.1	1.6 3 π 1.0 π	
	$16\cos^3\frac{\pi}{6} - 12\cos\frac{\pi}{6} = \underline{\qquad}.$	
Ans	1.0	
	2. 2	
	3.1	
	41	
	** *	



			intersect each other in such a The length of the common ch				
Ans							
	$2. \sqrt{3}$ cm						
	3. 2√3 c						
	4. 4√3 c						
	4. 4√3 C	m			$_{\neg}$		
					$\sqcup \mid$		
Q.3	The table given bel	low shows th	e number of bicycle sold by si	ix companies.			
	Companies	Bicycle					
	A	60					
	В	90					
	C	120	9				
	D E	165 180	}				
	F	120					
	10		bicycle sold by B to the numb	ber of bicycle sold by D?			
Ans	X 1. 11 : 5						
	X 2. 11 : 6						
	X 3. 5 : 13						
	4 . 6 : 11						
			n in a circle having diameter 5 allel chord of length 40 cm in t				
Ans	X 1.4 cm						
	✓ 2. 1 cm						
	X 3.3 cm						
	X 4. 2 cm						
					-		
		vork in 2 days	ece of work in 10 days, wherea s. What will be the time taken b				
Ans	1. 6 days	JIK!					
	X 2. 10 days						
	✓ 3. 4 days						
	X 4.8 days						
					\neg		
					-		



Q.6 The following table gives the subscription of different schemes of a Mutual

Fund Company over the months.

(Rupees in crores)

Months	Schemes					Total
	V	W	X	Y	Z	_ Total
September	200	70	30	290	10	600
October	120	130	70	150	290	760
November	45	35	25	125	160	390
December	160	110	40	115	130	555
January	80	90	70	100	140	480
February	130	150	30	40	390	740

What is the difference in the subscription of scheme X between December and

February?

Ans	· 🚀 1	. 10 croi
-----	-------	-----------

X 2. 18 crores

X 3.8 crores

X 4. 25 crores

Q.7]	The value of $\frac{428\times428\times428+348\times348\times348}{428\times428-428\times348+348\times348}$ is:	
Ans	1. 776	
	2. 62080	
	3.80	

Q.8 If the 5-digit numbe	750PQ is divisible by 3, 7 and 11, then what is the value of P +
20?	

Ans 🚀 1. 17

X 2. 15

4. 40

X 3. 18

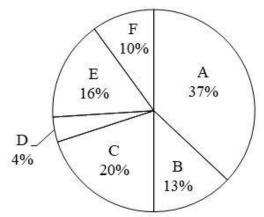
X 4. 16



1. 171200	
2.64200	
3 .171220	
4 .172100	
orse was sold for Rs.60,000 at a profit of 20%. For what price sh	ould he have sold
1. Rs.64,000	
2 . Rs.65,000	
3. Rs.50,000	
4. Rs.55,000	
$\frac{a^2+b^2+c^2-1024}{ab-bc-ca} = -2$ and $a + b = 5c$, where $c > 0$, the	n the value of c is
1.8	
2. 4	
3. 12	
4. 5	
. 5	



Q.12 The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories are 22000. The production of a particular factory is shown as a percent of total production of all these 6 factories.



P1 = The value of average production of A, C, D and F. P2 = The difference between the production of B and E. What is the value of (P1 + P2)?

Ans

X 1. 2525

X 2. 6545

X 3.3525

4. 4565

Q.13 If p + q = 6 and pq = 4, then what is the value of $p^3 + q^3$?

Ans 1. 81

2.64

3. 144

4. 256

Q.14 The ratio of two numbers is 5: 4 and their HCF is 4. What is their LCM?

Ans 💜 1. 80

X 2.48

X 3.36

X 4.60

		,



Q.15	If $\cos A = \frac{9}{100}$, find $\cot A$.
	41

Ans

		9
1	1.	40

- 1				

Q.16 A truck runs 492 km on 36 Litter of diesel. How many kilometres can it run on 33 Litter of diesel?

Ans X 1. 454 km

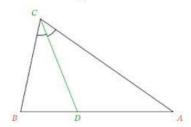
X 2. 453 km

√ 3. 451 km

X 4. 452 km



Q.17 In the given triangle, CD is the bisector of $\angle BCA$. CD = DA. If $\angle BDC = 76^{\circ}$, what is the degree measure of $\angle CBD$?



Ans

X 1.32°

X 2.76°

X 3.80° **√** 4. 66°



	Q.18 A dealer buys an old cooler listed at ₹650 and gets successive discounts of 20% and 10%. He spends ₹38 on its repairs and sells it at a profit of 20%. Find the selling price		
Ans	of the cooler. Ans × 1, ₹7.80		
	period consen		
	2. ₹700		
	3. ₹790		
	✓ 4. ₹607.2		
0.40			
	The pie chart given below shows the sales of 7 different companies. T all these 7 companies are 2880. The sale of a particular company is sh degree with respect to the total sales of all these 7 companies.	ne total sales of lown in terms of	
	D		
	√ ^{17°}		
	340		
	53° E		
	119°		
	H 73°		
	75 / F 51°		
	1 310		
	G		
	13° The average sales of G and H is how much percent more than the aver	rage sales of D	
	and I?		
Ans	★ 1. 18.86 percent★ 2. 24.25 percent		
	X 3. 56.21 percent		
	 ✓ 4. 22.86 percent 		
Q.20	What is the edge of a cube whose volume is equal to the sum of the vo	olumes of the	
	cubes of edge 6 cm, 8 cm and 10 cm?		
Ans	★ 1.5 cm★ 2.3 cm		
	X 3.6 cm		
	✓ 4. 12 cm		
	•		



Q.21 If Ram covers a certain journey at 60% of his usual speed, he reaches the destination

	late by 36 min. His usual time (in min) to reach the destination is:	
Ans	X 1.60	
	X 2.72	
	X 3.50	
	✓ 4.54	
Q.22	If $\tan^2 \theta = 1 - a^2$, then the value of $\sec \theta + \tan^2 \theta$	ın³ θ cosecθ is:
Ans	\times 1. $(2-a)^{\frac{3}{2}}$	
	N 1 (2 a)2	
	$\times 2. (a^2 - 1)^{\frac{3}{2}}$	
	3. $(2-a^2)^{\frac{3}{2}}$	
	3	
	4. $a^{\frac{3}{2}}$	
Q.23	Two-thirds of a certain distance was covered at the speed of 45 k speed of 60 km/h and the rest at the speed of 75 km/h. Find the a	
Ans	hour for the whole journey. (correct to 2 decimal places) 1. 51.25 km/h	
Alla	X 2. 45.75 km/h	
	X 3. 58.25 km/h	
	✓ 4. 49.77 km/h	
Q.24	The area of a triangle is 480 cm ² and the ratio of its sides is 10 : 2	4 : 26. What is the
	perimeter of the triangle?	
Ans	√ 1. 120 cm	
	X 2.30 cm	
	★ 3.150 cm	
	X 4.60 cm	



Q.25	Q.25 Damani purchased an item costing ₹7,500 and paid ₹3,500 as a down payment for the same. If the simple interest charged for the remaining amount is 9% per annum and Damani cleared all dues after 4 months of the purchase, how much did Damani pay after 4 months as interest?		
Ans			
	X 2. ₹100		
	X 3. ₹132		
	X 4. ₹125		
	• • • • • • • • • • • • • • • • • • • •		
Section	on : English Comprehension		
Q.1			
	We have been P. able to identify certain patterns in		
	the microbiome and immune response that are clearly linked to the progression and		
	S. severity of brain injury		
Ans			
	X 2. QPSR		
	X 3. RSPQ		
	✓ 4. PQRS		
Q.2	Parts of the following sentence have been underlined and given a	s options. Select the	
	option that contains an error.		
	<u>Has</u> Gita <u>any</u> previous knowledge of <u>work with</u> junior colleagues	?	
Ans			
	X 2. Has		
	X 3. any		
	✓ 4. work		
0.3	Select the INCORRECTLY spelt word.		
Ans	X 1. Cemetery		
	X 2. Accommodate		
	X 3. Intruder		
	✓ 4. Neccessary		
	-		



Q.4	Q.4 Select the most appropriate option to fill in the blank.			
	The monster trucks have veryengines, they can probably pull a train coach without any problem.			
Ans	X 1. dominant			
	X 2. forceful			
	X 3. impressive			
	✓ 4. powerful			
0.5	Select the sentences that contains no spelling errors.			
Ans				
	2. Our government has launched a relatively extensive set of reforms for aborigines in the country.			
	X 3. Our government has launched a relatively extensive set of reforms for aboregynes in the country.			
	★ 4. Our government has launched a relatively extensive set of reforms for aborigynes in the country.			
Q.6	Select the most appropriate option to fill in the blank.			
	The contingent managed tosuccessfully.			
Ans	X 1. park the deal			
	✓ 2. close the deal			
	X 3. heal the deal			
	X 4. catch the deal			
	Select the most appropriate auronum of the breeketed ward to fill in the blank			
Q.7	Select the most appropriate synonym of the bracketed word to fill in the blank.			
	For Rahul, everything was a(modern) experience until he stepped onto the field.			
Ans	✓ 1. new			
	X 2. flashy			
	X 3. global			
	★ 4. Asiatic			



Q.8	.8 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Rehan and Ronit are / good friends and / it don't matter to them / as to who is wealthier.		
Ans	★ 1. good friends and		
	✓ 2. it don't matter to them		
	X 3. Rehan and Ronit are		
	X 4. as to who is wealthier.		
Q.9	Select the most appropriate synonym of the given word.		
	Moral		
Ans	✓ 1. Ethical		
	X 2. Honourable		
	X 3. Godliness		
	X 4. Symphony		
Q.10	Choose the correct meaning of the given idiom. A skeleton in the cupboard		
Ans	X 1. A popular fact which is not hidden		
	X 2. A popular fact to be kept secret		
	★ 3. An embarrassing fact not to be kept secret		
	✓ 4. An embarrassing fact to be kept secret		
	4. All chibaliassing fact to be kept secret		
Q.11	Rearrange the parts of the sentence in correct order. The rattlesnake P. it has specialized Jacobson's Q. organs, which gives it a heightened R. knows when to lie low because S. sense of smell to detect prey		
Ans	✓ 1. RPQS		
	✗ 2. SPRQ		
	✗ 3. QSPR		
	X 4. QPRS		



Q.12 Choose the mos	Q.12 Choose the most appropriate meaning of the underlined word in the given sentence.			
	Even though Margaret had already eaten a large meal, she could not resist eating two slices of the <u>delectable</u> pie.			
Ans X 1. Stale				
2. Delicious				
X 3. Nutritious	s ·			
🗙 4. Rotten				
O 12 Salast the corre	ect indirect form of the given sentence.			
She said to me,	"The charlatan will be breaking into the safe."			
	me that the charlatan would be breaking into the safe.			
	to me that the charlatan will be breaking in the safe.			
X 3. She said	to me that the charlatan can be breaking into the safe.			
X 4. She said	to me that the charlatan is breaking into the safe.			
Q.14 Select the most	appropriate meaning of the given idiom.			
Fly into a passion				
	gressive at times			
	ne aggressive often			
	me angry suddenly			
X 4. To be alw				
	ect passive form of the given sentence. red new copies of the album.			
Ans X 1. New copi	ies of the album have being ordered by Shalu.			
🔀 2. New copi	ies of the album has been ordered by Shalu.			
🔀 3. New copi	ies of the album has been order by Shalu.			
✓ 4. New cop	ies of the album have been ordered by Shalu.			



Q.16	Select the most appropriate ANTONYM of the underlined word in the	given sentence.	
	God has clearly <u>blessed</u> human beings for his glory.		
Ans	1. Appointed		
	X 2. Produced		
	X 3. Applied		
	✓ 4. Cursed		
Q.17	7 Select the option that can be used as a one-word substitute for the gwords.	jiven group of	
	A person in love with himself		
Ans	•		
	X 2. Lunatic		
	X 3. Stoic		
	X 4. Polyglot		
0.18	3 Select the correct passive form of the given sentence.		
Q.10	He has downloaded the movie on his phone.		
Ans	1. The movie has been downloaded by him on his phone.		
	X 2. The movie was downloaded by him on his phone.		
	X 3. The movie is been downloaded by him on his phone.		
	igwedge 4. The movie are being downloaded by him on his phone.		
0.10	9 Select the option that can be used as a one-word substitute for the g	riven group of	
Q.13	words.	iven group of	
	Giving the worrying impression that something bad is going to happ	en	
Ans			
	X 2. Suspicious		
	✓ 3. Ominous		
	X 4. Bleak		



Q.20	Select the most appropriate option that can substitute the underlined segment in the given sentence.		
	The new shop that opened last week <u>are hard</u> ly sufficient stock of the products that it advertised about.		
Ans	X 1. hardly hadn't		
	✓ 2. hardly had		
	X 3. hardly is having		
	X 4. is had		
	Comprehension		
	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 Romans had developed a (1) for chariot racing. The (2) of the game are so excited that sometimes it may (3) into chaos, confusion and riots. The (4) in which racing took place was called a circus. The (5) one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport		
	SubQuestion No : 21		
	Select the most appropriate option to fill in blank no. 1. 1. taste		
Ans	× 2. spoonful		
	X 3. drop		
	X 4. mouthful		
	FY 4. Modulial		
	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 Romans had developed a (1)for chariot racing. The (2)of the game are so excited that sometimes it may (3)into chaos, confusion and riots. The (4)in which racing took place was called a circus. The (5)one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport		
	SubQuestion No : 22		
Q.22 Ans	Select the most appropriate option to fill in blank no. 2. 1. campaigners		
VIIS	× 2. reformers		
	X 3. champions		
	✓ 4. supporters		
	T. Supportors		



	Comprehension:			
	In the following passage, some words have been deleted. Read the passage of select the most appropriate option to fill in each blank.	carefully and		
	The Romans had developed a (1)for chariot racing. The (2)of the game are so excited that sometimes it may (3)into chaos, confusion and riots. The (4)in which			
	racing took place was called a circus. The (5)one was the Circus Maximu	us in Rome, that		
	could hold up to 3,85,000 spectators, which shows the popularity of the sport			
	SubQuestion No : 23			
	3 Select the most appropriate option to fill in blank no. 3.			
Ans	***			
	X 2. reshape			
	X 3. transfigure			
	√ 4. convert			
	Comprehension:			
	In the following passage, some words have been deleted. Read the passage of select the most appropriate option to fill in each blank.	carefully and		
	The Romans had developed a (1)for chariot racing. The (2)of the excited that sometimes it may (3)into chaos, confusion and riots. The (4)			
	racing took place was called a circus. The (5)one was the Circus Maximu	us in Rome, that		
	could hold up to 3,85,000 spectators, which shows the popularity of the sport			
	SubQuestion No : 24			
	4 Select the most appropriate option to fill in blank no. 4.			
Ans	★ 2. circuit			
	X 3. route			
	X 4. track			
	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 Romans had developed a (1)for chariot racing. The (2)of the game are so excited that sometimes it may (3)into chaos, confusion and riots. The (4) in which			
	racing took place was called a circus. The (5)one was the Circus Maximu	us in Rome, that		
	could hold up to 3,85,000 spectators, which shows the popularity of the sport			
0.05	SubQuestion No : 25			
	5 Select the most appropriate option to fill in blank no. 5. X 1. larger			
Ans				
	X 2. highest			
	√ 3. largest			
	X 4. higher			