





Centre Name	iON Digital Zone iDZ Kuberpur
Exam Time	12:30 PM - 2:00 PM
Note	

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section	: Arithmetic
Q.1	Find x in the following expression:
	$5\frac{5}{7} - x = 3\frac{5}{14}$
Ans	$\times 1.4\frac{1}{7}$
	$\sim 2.2\frac{1}{14}$
	$\times 3.5\frac{3}{7}$
	$\times 4.3\frac{2}{14}$
Q.2	The marked price of a water cooler is ₹5,420. The shopkeeper offers an off season discount of 15% on it and an additional discount of 5% for cash payment customer. Find the cost price for a customer who pays cash payment.
Ans	Х 1. ₹4,390
	√ 2. ₹4,336
	🗙 3. ₹4,325.38
	★ 4. ₹4,354.50
Q.3	Aryan has to reach Ahmedabad which is 889 km away in 17 hours. His starting speed for 5 hours was 29 km/hr. For the next 96 km his speed was 24km/hr. By what speed he must travel now so as to reach Ahmedabad in decided time of 17hours?
Ans	🗙 1. 86 km/hr
	🗙 2. 85 km/hr
	🗙 3. 87 km/hr
	✓ 4. 81 km/hr

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 9.4 Priya can do a certain place of work in 30 days. Priya and Varsha can together do the days. In how many days can Priya and Nisha do the same work together in 9 days. In how many days can Priya and Nisha do the same work? Ans x 1. 52/4 2. 45/5 x 4. 40/6 9.4 A 146 m long train crosses a man walking at a speed of 9.5 km/h in the opposite direction in 30 seconds. What is the speed (in km/h) of the train ? Ans x 1. 4.4 x 2.79 x 3.61 x 4.75 9.4 For seconds. What is the speed (in km/h) of the train ? Ans x 1.4.4 x 2.79 x 3.6.1 x 4.75 9.4 For seconds. What is the speed of 9.5 km/h in the opposite dicrease in its area. (Rounded off to 2 decimal places.) Ans x 1.49.88% x 2.4809% x 3.88.88% x 4.48.98% 9.4 Boys in 156 (2 docimal places.) 0.4 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decrease in its area. (Rounded off to 2 docimal places.) Ans x 1.49.88% x 2.4809% x 3.88.88% x 4.48.98% 0.4 How many pairs of positive integers p. q exist such that the HCF of p. q is 37 and the same find the height of cubbid is 8 cm, breadth is 3 cm and the volume of cubbid is 3384 cm³, the find the height of cubbid (in cm). Ans x 1.145 x 2.18 0.3 The sum of five numbers is 656. The average of the first two numbers is 78 and the third number is 118. Find the average of the remaining two numbers? Ans x 1.197 x 1.84 		
Ans \times 1. $\frac{52}{4}$ \checkmark 2. $\frac{45}{4}$ \checkmark 3. $\frac{51}{5}$ \checkmark 4. $\frac{40}{6}$ Q.5 A 145 m long train crosses a man walking at a speed of 9.5 km/h in the opposite direction in 30 seconds. What is the speed (in km/h) of the train ? Q.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decreases in its area. (Rounded off to 2 decimal places.) Q.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decreases in its area. (Rounded off to 2 decimal places.) Q.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decreases in its area. (Rounded off to 2 decimal places.) Q.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decreases in its area. (Rounded off to 2 decimal places.) Q.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decreases in its area. (Rounded off to 2 decimal places.) Q.7 How many pairs of possitive integers p, q exist such that the HCF of p, q is 37 and the sum of p and j is 1951? Q.8 If the length of cuboid is 5 cm, breadth is 3 cm and the volume of cuboid is 3384 cm ³ , then find the height of cuboid is 5 cm, breadth is 3 cm and the volume of cuboid is 3384 cm ³ , then find the height of cuboid (in cm). Q.8 If the length of cuboid is 655. The average of the first two numbers is 78 and the third number is 115. Find the average of the remaining two numbers? Q.9 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 115. Find the average of the remaining two numbers?	Q.4	Priya can do a certain piece of work in 30 days. Priya and Varsha can together do the same work in 18 days, and Priya, Varsha and Nisha can do the same work together in 9 days. In how many days can Priya and Nisha do the same work?
	Ans	52
 2 45/4 × 3, 51/5 × 4, 40/6 C.5 A 145 m long train crosses a man walking at a speed of 9.5 km/h in the opposite direction in 30 seconds. What is the speed (in km/h) of the train ? Ans × 1.44 2 7.9 × 3.61 × 4.75 C.6 If the side length of a square decreases from 7 cm to 5 cm, find the percentage decrease in its area. (Rounded off to 2 decimal places.) Ans × 1.49.8% × 2.48.99% × 3.68.8% • 4.48.98% • 2.48.99% • 2.66 × 3.53 × 4.28 • 2.26 × 3.53 × 4.28 • 2.141 × 3.146 × 2.141 × 3.148 × 4.151 C.9 The sum of five numbers is 665. The average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the first two numbers is 78 and the third number is 115. Find the average of the remaining two numbers? 		$\overline{4}$
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Ans X 1. 197 X 2. 194	Q.9	The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 115. Find the average of the remaining two numbers?
X 2. 194	Ans	🗙 1. 197
		X 2. 194
3. 192		✓ 3. 192
X 4. 193		





	percentage (rounded off to 2 decimal places).
Ans	X 1. 17.67%
	X 2. 15.67%
	A 3. 16.67%
	X 4. 14.67%
Q.11	Aryan takes 12 hours to mow a large lawn. He and Armaan together can mow it in 7 hours. How long will Armaan take to mow the lawn if he works alone?
Ans	\mathbf{X} 1. 16 hours 45 minutes
	2. 16 hours 48 minutes
	X 3. 16 hours 40 minutes
	X 4. 16 hours 36 minutes
Q.12	Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{9}\right)^{-2} + \left(\frac{1}{7}\right)^{-2}$.
Ans	X 1. 142
	 ✓ 2. 146
	🗙 3. 147
	X 4. 141
Q.13	Evaluate: 41 - [21 - {11 - (16 - 4 ÷ 2 × 3)}]
Ans	✓ 1. 21
	X 2. 16
	X 3. 18
	X 4.23
Q.14	If 36 : y :: y : 9, find the positive value of y.
Ans	✓ 1. 18
	★ 2.24
	★ 3.13
	X 4.22
Q.15	A bus travelling at 87 km/h completes a journey in 15 hours. At what speed will it have to cover the same distance in 9 hours?
Ans	
	🗙 2. 147 km/h
	🛹 3. 145 km/h
	🗙 4. 155 km/h
Q.16	The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 108. Find the average of the remaining two numbers?
Ans	X 1. 184
	× 2. 199.5
	3. 198.5





Q.17	The average of first 133 even numbers is
Ans	1. 134
	X 2. 135
	🗙 3. 134.5
	X 4. 133.5
Q.18	The difference between compound interest, compounded annually, and simple interest on a certain sum at 10% per annum for 2 years is ₹1,060. Find the sum (in ₹).
Ans	1. 1,06,000
	X 2. 1,06,060
	X 3. 1,60,000
	X 4. 1,06,600
Q.19	Pipes A and B can fill an empty cistern in 78 minutes and 39 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 25 minutes?
Ans	1. 28 min
	🗙 2. 45 min
	🗙 3. 38 min
	🗙 4. 35 min
Q.20	If 35% of k is 20 less than 3000% of 10, then k is:
Ans	✓ 1.800
	X 2.780
	X 3. 840
	X 4. 760
Q.21	The value of
	$\sqrt{144} + \sqrt{0.0225} - \sqrt{9} =$
Ans	X 1. 3.88
	✓ 2.9.15
	X 3. 3.44
	X 4. 13.97
Q.22	A girl goes to school at a speed of 28 km/hr. She comes back with a speed of 21 km/hr. Find her average speed for the whole journey.
Ans	🗙 1. 21 km/h
	🗙 2. 16 km/h
	✓ 3. 24 km/h
	🗙 4. 17 km/h
Q.23	What will be the smallest value of m such that the five-digit number 1m813 is divisible by 11?
Ans	X 1.1
	X 2.3
	3.0
	X 4.2





Q.24	Find the value of p so that the expression $(15.97)^3 + 1.4373 \times p + (0.03)^3$ is a perfect cube.
Ans	× 1.0.000027
	2.4096
	3 . 16
	× 4 47 91
Q.25	The sum of 8 numbers is 756. Find their average.
Ans	X 1.93.5
	X 2. 92.5
	✓ 3. 94.5
	🗙 4. 95.5
Q.26	The sum of five numbers is 655. The average of the first two numbers is 75 and the third
	number is 118. Find the average of the remaining two numbers?
Ans	X 1.194
	X 2. 193
	🗙 3. 194.5
	 ✓ 4. 193.5
Q.27	Amit bought 50 pencils from a shopkeeper at a price of ₹3 per pencil, and then sold 15
	percentage loss/profit that Amit had (rounded off to two decimal places).
Ans	✓ 1. Loss 6.67%
	X 2. Profit 6.67%
	X 3. Profit 3.27%
	X 4. Loss 3.27%
Q.28	A sum, when invested at 10% simple interest per annum, amounts to ₹3600 after 2
	years. What is the simple interest (in ₹) on th <mark>e s</mark> ame sum at the same rate of interest in 2 years?
Ans	✓ 1.600
	X 2. 1200
	★ 3.2400
	× 4 300
Q.29	The LCM of two numbers is 315. If the numbers are in the ratio 7 : 9, then the sum of the numbers is
Ans	🗙 1.90
	X 2. 100
	✓ 3. 80
	X 4.70
0.30	A shonkeener nurchases a wrist watch for \$3,800 and fives its marked nrice in such a
 00	way that after allowing a discount of 24%, he earns a profit of 30%. Find the marked proce in such a profit of the wrist watch.
Ans	🗙 1. ₹6,550
	Х 2. ₹6,400
	Х 3. ₹6,450
	4.₹6.500





Q.31	A cylindrical rod has an outer curved surface area of 5600 cm ² . If the length of the rod is 92 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:
	Take $\pi = \frac{22}{7}$
Ans	X 1. 10.99
	✓ 2. 9.68
	✗ 3. 8.38
	X 4. 12.28
Q.32	Out of the total profit of ₹15,500 in a business of A and B, A gets ₹5,500 as profit. If the investment of A is ₹67,500 less than the investment of B, then the investment of B (in ₹) is:
Ans	X 1. 1,25,000
	 2. 1,50,000
	X 3. 1,60,000
	X 4. 1,55,000
Q.33	Two years ago, the population of a city was 1,10,000. The population increased by 10% in the first year and decreased by 10% in the second year. Find the present population
Ans	\mathbf{X} 1. 1,08,500
	X 2. 1,08,600
	X 3. 1,08,800
	✓ 4. 1,08,900
Q.34	In an election between two candidates 90 % of the registered voters cast their vote and 15 % of the votes polled were found invalid. Winning candidate got 51% of the valid votes and won the election by a margin of 2142 votes. How many voters were registered?
Ans	✓ 1. 140000
	X 2. 140002
	X 3. 139999
	X 4. 140001
Q.35	Calculate the area of the isosceles triangle with length of equal sides 5 cm and the third side 8 cm.
Ans	✓ 1. 12 cm ²
	X 2. 10 cm ²
	\times 3.6 cm ²











Q.39	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 conclusion(s) logically follow(s) from the statements.
	Statements:
	Some bulbs are mats.
	Some peanuts are mats.
	Conclusions:
	(I) All bulbs are peanuts.
A	(II) Some peanuts are builds.
AIIS	
	2. Neither conclusion (I) nor (II) follows.
	X 3. Only conclusion (II) follows.
	X 4. Both conclusions (I) and (II) follow.
Q.40	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
	PTV 73 YCE 76 HLN 79 QUW 82 ?
Ans	X 1. ZBF 87
	✓ 2. ZDF 85
	X 3. YBE 87
Q.41	Seven people, P, Q. R, S, T, U and V, are sitting in a straight line facing north. Only two people are sitting to the right of S. P is sitting to the immediate left of S. V is sitting to the immediate left of Q and immediate right of U. Q is sitting to the immediate left of P. T is not the immediate neighbour of S. Who is sitting to the immediate right of S?
Ans	X 1.P
	X 2 U
	• • •
Q.42	What should come in place of the question mark (?) in the given series?
	780 770 772 766 762 ?
Ans	X 1. 764
	X 2. 766
	3 . 760
	X 4, 762
Q.43	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
	(Note: The odd one out is not based on the number of consonants/vowels or their
Δns	
	✔ 1. FI - IJ
	 ✓ 1. FI - IJ X 2. QV - SX
Allo	 ✓ 1. FI - IJ X 2. QV - SX X 3. KP - MR
	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU
	 ✓ 1. FI - IJ X 2. QV - SX X 3. KP - MR X 4. NS - PU
Q.44	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language?
Q.44 Ans	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language? 1. 2
Q.44 Ans	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language? 1. 2 2. 6
Q.44 Ans	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language? 1. 2 2. 6 3. 7
Q.44 Ans	 1. FI - IJ 2. QV - SX 3. KP - MR 4. NS - PU In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language? 1. 2 2. 6 3. 7





64.40	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: Some sheep are crows.
	All crows are frogs.
	Some crows are bats.
	Conclusions: I Some sheen may or may not be bats
	II. At least some blankets are frogs.
Ans	🗙 1. Only conclusion II follows
	X 2. Only conclusion I follows
	🗙 3. Neither conclusion I nor II follows
	✓ 4. Both conclusions I and II follow
Q.46	Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. T sits to the immediate right of X. T sits second to the left of S. Only two people sit between S and Y when counted from the left of Y. Q sits third to the left of X. W is not an immediate neighbour of Q. How many people sit between R and T when counted from the right of R?
Ans	🛹 1. Two
	X 2. Three
	🗙 3. One
	🗙 4. Four
Q.47	Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).
	(Left) 8 8 6 2 8 2 9 9 2 6 2 6 7 8 3 2 8 3 3 2 9 6 6 (Right)
	How many such even digits are there, each of wh <mark>ich is</mark> immediately preceded by an odd digit and also immediately followed by an odd digit?
Ans	X 1. None
	✔ 2. Two
	X 3. One
	X 4. Three
Q.48	Seven boxes E, F, G, H, K, L and M are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only one box is kept above H. Only one box is kept between H and G. L is kept immediately above M. K is kept at some place below F. How many boxes are kept between F and L?
Ans	🗙 1. Тwo
	2. Four
	🗙 3. One
	X 4. Three
Q.49	Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.
	DK-GN-JM FM-IP-LO
Ans	X 1. GO-KS-NP
	✓ 2. HO-KR-NQ
	X 3. HO-KR-NP





Q.50	In a certain code language, A + B means 'A is the sister of B', A – B means 'A is the mother of B', A x B means 'A is the brother of B', A ÷ B means 'A is the husband of B'.
	Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?
Ans	X 1. Father's father
	X 2. Wife's brother
	🗙 3. Mother's father
	✓ 4. Father's brother
Q.51	What should come in place of the question mark (?) in the given series?
	395 366 337 308 279 ?
Ans	X 1. 266
	✓ 2. 250
	X 3. 229
	X 4. 237
Q.52	In a certain code language, 'phone error rate' is coded as 'ku ni pt' and 'pronunciation error rate' is coded as 'pt jk ni'. How is 'pronunciation' coded in the given language?
Ans	X 1. pt
	🗙 2. ku
	🗙 3. ni
	✓ 4. jk
Q.53	Refer to the following series and answer the question (all numbers are single digit numbers only).
	(Left) 1 2 6 5 6 8 1 5 8 6 9 8 3 3 8 5 8 9 4 7 8 (Right)
	How many such even digits are there each of which is immediately preceded by an odd
	digit and also immediately followed by an odd digit?
Ans	X 1. Three
	X 2. One
	🗙 3. Two
	✓ 4. Four
Q.54	Prakhar starts from Point A and drives 9 km towards the east. He then takes a right turn, drives 10 km, turns right and drives 12 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)
Ans	✓ 1.1 km to the south
	X 2. 2 km to the north
	X 3. 1 km to the north
	X 4. 2 km to the south
Q.55	What should come in place of the question mark (?) in the given series?
-	
Δns	31 32 41 66 115 f
7113	× 2 160
	▲ 2. 103
	3 I9b





 8.46 Select the correct mirror image of the given combination when the mirror is placed at MW as shown below. PG 3 5 7 m d PG 3 5 7 m d N Ans X 1 d m 7 2 8 G 9 X 2 bm 7 5 8 D 9 X 4 bm 7 2 8 D 9 X 5 bm 7 5 8 D 9 X 4 bm 7 2 8 D 9 Ans X 1 dm 7 2 8 C 9 9 Ans T 5 8 D 9 A bm 7 2 8 D 9 A bm 7 1 1 added to each odd digit and 2 is subtracted from each even digit in the number 417388, which of the following digits will be second from the right? A bm 7 1 1 added to each odd digit and 2 is subtracted from each even digit in the number 41 2 8 D 9 A bm 7 1 1 added to each odd digit and 2 is subtracted from each even digit in the number 41 2 8 D 9 A bm 7 1 1 added to each odd digit and 2 is subtracted from each even digit in the number 41 2 8 D 9 A bm 7 1 1 added to each odd digit and 2 is subtracted from each even digit in the number 41 2 8 D 9 A bm 7 1 1 added to each odd digit and 2 is subtracted from each even in add 9 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1		
Ans × 1. dm \(\cap 2 & G \(\Gam 9 \) Ans × 1. dm \(\Cap 2 & G \(\Gam 9 \) × 2. bm \(\Cap 8 & D \(\Gam 4 \) × 3. bm \(\Lap 5 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. bm \(\Cap 2 & D \(\Gam 4 \) × 4. 53 C.85 M \(\formal 4 \) added to each odd digit and 2 is subtracted from each even digit in the number 4173858, which of the following digits will be second from the right? Ans × 1.7 × 2.4 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 4.2 × 3.0 × 5.6 × 4.2 Ans × 1.0 </th <th>Q.56</th> <th>Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.</th>	Q.56	Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.
Ans × 1. dm T 2 & S 9 9 × 2. bm T 5 & S 9 9 × 2. bm T 5 & S 9 9 × 4. bm T 2 & S 9 × 4. bm T 2 & S 9 9 0.57 * 4. bm T 2 & S 9 9 • 4. bm T 2 & S 9 9 × 4. bm T 2 & S 9 9 0.57 * 18 added to each odd digit and 2 is subtracted from each even digit in the number 39 - 2 * 6 * 18 × 6 = ? Ans × 1. 57 × 2. 51 × 3. 34 • 4 83 • 4 83 0.58 × 1. 1 × 2. 4 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 4. 2 • 3.8 × 1.9 • 4.9 Ans • 1.9 × 1.9 • 2.1% × 1.9 • 2.1% × 1.9 • 2.1% × 1.9 • 4.9 Ans • 1.9 • 1.9 • 1.9 • 1.9		M
PG357md N Ans X 1. dm T 2 8 6 9 X 2. bm T 2 8 0 9 X 3. bm ∠ 5 8 0 9 X 3. bm ∠ 5 8 0 9 X 4. bm T 2 8 0 9 Q.37 H 4* means '*, '* means '*, '* means '* and '* means '*', then what will come in place of the question mark (?) in the following equation? S0 - 2 8 + 18 × 6 = ? Ans X 1.57 X 2. 31 X 3. 34 × 4. 63 Q.38 K 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173865, which of the following digits will be second from the right? Ans X 1.7 X 2.4 ∞ 3.6 4.2 Q.39 Secon hores D, E, F, H, IJ and K are keipt one over the other bir dot necessarily in the right? Ans X 1.7 X 2.4 3.6 2.2 No Set is not first, bird will be second number is obtained by applying cartain and the pathone above E. How many boxes are kept between 1 and H.7 Is kept at an or the positions ablow, 2 No F is kept between 1 and H.7 Is kept at an or the positions ablow, 2 No F is kept between 1 and H.7 Is kept at an or the second number is obtained by applying cartain and the profermed on the whole numbers are riated in the same way as are the number. Select the set in which the numbers are riated in the same way as are the numbers. Select the set in which the numb		I I
PG357md N Ans X 1.dm T2EGG9 X 2.bm TSE09 X 3.bm Z5E09 X 3.bm Z5E09 ✓ 4.bm T2E09 ✓ 4.bm T2E09 0.57 ff **means ~, ``means ``, ``means `* and `*means `*, then what will come in place of the question mark() in the following equation? 30-2*6*18 × 6 = ? Ans X 1.fr X 2.di1 X 3.di ✓ 4.63 0.55 Seven boxes D, E, F, H, LJ and K are kept one over the other but not necessarily in the same order. J is kept second from the right? Ans X 1.7 X 2.4 ✓ 3.6 X 4.2 0.59 Seven boxes D, E, F, H, LJ and K are kept one over the other but not necessarily in the same order. J is kept accord from the bottom. Only three boxes are kept between 1 and H.D is kept at one of the politons above E. How many boxes are kept between 1 and H.D is kept at one of the politons above E. How many boxes are kept between 1 and K? Ans X 1.fme C.60 The following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Solet the set in whith the numbers are indiminately operations to a the positions of dow 1, and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 16 19 - 24 Ans ¥ 1.63 - 66 X 2.42 - 48 X 3.1 - 7 X 4.51 - 57		
N Ans X 1. dm T 2 8 G 9 X 2 bm T 5 8 D 9 X 3 bm L 5 8 D 9 X 3 bm L 5 8 D 9 X 3 bm Z 5 8 D 9 X 4 bm T 3 8 D 9 2.57 If sea of the question mark (?) in the following equation? BD - 2 + 6 + 18 k 6 = ? Ans X 1.57 X 2.81 X 3.34 4 + 63 0.48 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4773885, which of the following digits will be second from the right? Ans X 1.7 X 2.4 3.6 X 2. 0.49 Seven boxes D, E, F, H, IJ, U and K are kept one over the other but not necessarily in the same order. J is kept accord from the bottom. Only three boxes are kept between 1 and K? Ans X 1.7 X 2.4 3.6 X 2. 0.10 me X 2. Two X 3. Four X 4. Three 0.40 In the following number-pairs, the second number is obtained by applying certain mathematical operators to the first number. Solect the set in which the numbers are related in the same way as are the number's obtained by applying certain mathematical operators to the first number. Solect the set in which the numbers are related in the same way as are the number's obtained by applying certain mathematical operators to the first number. Solect the set in which the numbers are related in the same way as are the numbers of the following sets. The number mother inconstituent fights. 5, 1.3 - Operations to 13 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans X 1.53 - 63 X 2.42 - 48 X 3.1-7 X 4.51 - 67		P G 3 5 7 m d
Ans X 1. d m T Z E G G X 1. d m T Z E G G X 2. b m T S E D G X 3. b m L 5 E D G y 4. b m T Z E D G 0.57 If Y means 'S', 'S' means 'Y' and 'Y means 'Y' in the following equation? 30-2 F S + 18 + 6 = ? Ans X 1.57 X 2.81 X 3.34 4.63 0.58 If 11 is added to each odd digit and 2 is subtracted from each even digit in the number 4175655, which of the following digits will be second from the right? Ans X 1.7 X 2.4 3.6 X 4.2 Q.59 Seven boxes D, E, F, H, J, and K are kept one over the other but not necessarily in the second run the key of the positions above E. How many boxes are kept between the position at boxe E. How many boxes are kept between the following and the the positions above E. How many boxes are kept between t and K? Ans 1. One X 2. Two X 3. Four X 1. Three 0.40 In the following number pairs, the second number is obtained by applying certain antheratical operations to the first number Sete the set in which the numbers are related in the performing mathematical operations on 1 and 3 is not allowed j <		
Ans X 1: dm T Z E G G X 2: bm T S E D G X 2: bm T S E D G X 3: bm Z 5 E D G X 3: bm Z 5 E D G X 4: bm T Z E D G X 4: bm T Z E D G X 5: x 2: bm T Z E D G X 4: bm T Z E D G X 5: x 2: bm T Z E D G X 4: bm T Z E D G X 5: x 2: bm T Z E D G X 5: bm Z E E D G X 6: x 2: bm T Z E D G X 5: bm Z E E D G X 7: x 2: bm T Z E D G X 5: bm Z E E D G X 8: x 4: c 3 X 3: 4 X 6: x 4: c 3 X 6: x 4: c 3 X 1: 7 X 2: 4 X 3: 6 X 4: 2 X 3: 6 X 4: 2 X 1: 7 X 4: 2 X 3: 6 X 4: 2 X 3: 7 X 4: 10 co the positions above E. How many boxes are kept between 1 and K? X 4: Three X 4: 10 co the positions above E. How many boxes are kept between 1 and K? X 4: Three X 4: 10 co the positions about E = 1: 4 - 0 core tain on the state a dark in the number s and the performing mathematical operations to the fits thow and tho the number		
Ans × 1. d m ₹ 2 & G 9 × 2. b m ₹ 2 & c m ₹ 2 & b m ₹ 2 & c m ₹ 2 & c m ₹ 2 & c m € 2 & c m ₹ 2		N
 \$ 2 bm T S & 0 q 3 bm L 5 & 0 q 4 bm T 2 & 2 0 q 3 bm L 5 & 0 q 4 bm T 2 & 2 0 q 3 bm L 5 & 1 S & 0 q 3 bm L 5 & 1 S & 0 q 3 bm L 5 & 1 S & 0 q 3 bm L 5 & 1 S & 0 q 3 bm L 5 & 1 S & 0 q 4 bm T 2 & 2 d 4 bm T 2 & 2 d 4 bm T 2 & 2 d 3 bm L 5 & 1 S & 0 q 4 bm T 2 & 2 d 3 bm L 5 & 1 S & 0 q 4 bm T 2 & 2 d 3 bm L 5 & 1 S & 0 q 4 bm T 2 & 2 d 3 bm L 7 & 2 d 3 bm L 7 & 2 d 3 bm L 7 & 2 d 4 bm T 2 & 2 d 3 bm L 7 & 2 d 4 bm T 2 & 2 d 3 bm L 2 d 4 c d 4	Ans	P 23 5 7 m b 1 🗙
 A b m ∠ 5 ≿ 0 q 4 b m ∠ 5 ≿ 0 q 4 b m ∠ 5 ≿ 0 q 0.47 If t* means *, ** means ** and ** means **, then what will come in place of the question mark (?) in the following equation? 30 - 2 * 4 t 8 × 8 = ? Ans 1.57 2 & 8t 3 & 4 & 63 4.63 4.63 4.63 4.2 4.63 6.42 6.5 6.5 7.10 7.10 8.10 8.10 9.10 9.1		P G 3 2 7 m d ² X
 ✓4 bm C5259 Q.57 [ft+' means \cdots', \cdots' means \cdots' and \cdots' means \cdots' and \cdots' means \cdots', then what will come in place of the question mark (?) in the following equation? SU-2+8+18×6=? Ans × 1.57 × 2.81 × 3.34 • 4.63 Q.58 [ft1] is added to each odd digit and 2 is subtracted from each even digit in the number (417); 2.81 Ans × 1.7 × 2.4 • 3.6 X.4.2 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the seme order. J is kept second from the bottom, only three boxes are kept between 1 and R? Ans • 1.0 ine X.2.1 Noise X.3.5 Four X.4.1 Three 		PG322md ^s X
Q.57 If ++' means '-',' means '+', '-' means +' and '+' means +', then what will come in place of the question mark (?) in the following equation? 30 - 2 + 6 + 18 + 6 = ? Ans X 1.57 X 2.81 X 3.34 4.63 Q.55 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173655, which of the following digits will be second from the right? Ans X 1.7 X 2.4 3.6 X 4.2		PG357md - • 💊
ans > 1 concernent of the operation mark (?) in the following equation? 30-2+6+18+6=? Ans X 1.57 X 2.81 X 3.34 ↓ 4.63 X 2.4 Q.56 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173685, which of the following digits will be second from the right? Ans X 1.7 X 2.4 3.6 X 4.2 X 3.6 X 4.2 X 4.2 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. J is kept sacond from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions above E. How many boxes are kept between J and T. Si kept at ano of the positions above E. How many boxes are kept between J and Y. Si kept at ano of the positions above E. How many boxes are kept between J and K? Ans ✓ 1.0ne X 2. Two X 3. Four X 4. Three X.0ne Q.60 In the following number-pairs, the second number is obtained by applying cartain mathematical operations to the first number. Select the set in which the mumbers are related in the same way as are the numbers. Select the set. In which the relating down the net performed on the whole numbers, without breaking down the net performed on the whole numbers. Note that an 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 16 19 - 24	0.57	If '+' means '-' '-' means 'x' 'x' means '÷' and '÷' means '+' then what will come in
Ans × 1.67 × 2.81 × 3.34 ✓ 4.63 ✓ Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173665, which of the following digits will be second from the right? Ans × 1.7 × 2.4 ✓ 3.6 ✓ 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 3.6 × 4.2 ✓ 4.2 Ans ✓ 1.0ne × 2. Two × 3. Four × 4. Three ✓ 3.6 Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers. Select the set in which the numbers are related in the same way as are the numbers. Select the set in which the numbers are related in the same way as are the numbers. Select the set in which the numbers are related in the same way as are the numbers. Select the set in which the numbers are related in the same way as are the numbers. Select the set in which the numbers are related in the same way as are the numbers of the following as and then performing mathemat	Q.OT	place of the question mark (?) in the following equation? $30 - 2 \div 6 + 18 \times 6 = ?$
 2.81 3.34 4.63 Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173685, which of the following digits will be second from the right? Ans X 1.7 2.4 3.6 4.2 Q.59 Seven boxes D, E, F, H, J, J and K are kept one over the other but not nacessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions below J. Only F is kept between I and K? Ans 1. One 2. Two 3. Four 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers? Where Hollowing ass. (NOTE: Operations should be performed on the whole numbers, without breaking down the number is not all operations on 1 and 3 is not allowed.) 10-15 19-24 Ans 2.42-48 X 3.1-7 X 4.51-57 	Ans	X 1.57
 3.34 4.63 Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173885, which of the following digits will be second from the right? Ans 1.7 2.4 3.6 4.2 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions below J. Only F is kept between E and H. D is kept at one of the positions above E. How many boxes are kept between I and K? Ans 1. One 2. Two 3. Four 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 in the increase the digits. J and Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans 1. 63 - 69 2. 242 - 48 3. 1-7 4. 51 - 57		🗙 2. 81
 ↓ 4.63 Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173685, which of the following digits will be second from the right? Ans		🗙 3. 34
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 3.6 4.2 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions below J. Only F is kept between I and H. D is kept at one of the positions above E. How many boxes are kept between I and K? Ans 1. One 2. Two 3. Four 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10-15 19-24 Ans 1. 63 - 68 2. 42-48 3. 1-7 4. 51-57 		2.4
 X 4.2 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions below J. Only F is kept between E and H. D is kept at one of the positions above E. How many boxes are kept between I and K? Ans ▲ 1. One		✓ 3.6
 Q.59 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions blove E. How many boxes are kept between E and H. D is kept at one of the positions above E. How many boxes are kept between I and K? Ans 1. One 2. Two 3. Four 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following gests. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans 1. 63 - 68 2. 42 - 48 3. 1-7 4. 51 - 57 		X 4.2
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 C. R is kept at one of the positions above E. How many boxes are kept between I and R? Ans ↓ 1. One 2. Two 3. Four 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ↓ 1.63 - 68 X 2.42 - 48 X 3.1 - 7 X 4.51 - 57		same order. J is kept second from the bottom. Only three boxes are kept between J and
Ans ↓ 1. One ↓ 2. Two ↓ 3. Four ↓ 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ↓ 1.63 - 68 ↓ 2.42 - 48 ↓ 3.1 - 7 ↓ 4.51 - 57		one of the positions above E. How many boxes are kept between I and K?
 X 2. Two X 3. Four X 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ✓ 1. 63 - 68 X 2. 42 - 48 X 3. 1 - 7 X 4. 51 - 57	Ans	✓ 1. One
 X 3. Four X 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. Eg. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans		🗙 2. Two
 ✓ 4. Three Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ✓ 1.63 - 68 ✓ 2.42 - 48 ✓ 3.1 - 7 ✓ 4.51 - 57 		🗙 3. Four
 Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ✓ 1. 63 - 68 ✓ 2. 42 - 48 ✓ 3. 1 - 7 ✓ 4. 51 - 57 		🗙 4. Three
 Q.60 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans 2. 42 - 48 3. 1 - 7 4. 51 - 57 		
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adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 10 - 15 19 - 24 Ans ✓ 1. 63 - 68 ✓ 2. 42 - 48 ✓ 3. 1 - 7 ✓ 4. 51 - 57		the numbers into their constituent digits. E.g. 13 – Operations on 13 such as
10 - 15 19 - 24 Ans \checkmark 1. 63 - 68 \bigstar 2. 42 - 48 \bigstar 3. 1 - 7 \bigstar 4. 51 - 57		adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
10 - 13 $19 - 24$ Ans $1.63 - 68$ $2.42 - 48$ $3.1 - 7$ $4.51 - 57$		10 15
Ans ✓ 1. 63 - 68 ✓ 2. 42 - 48 ✓ 3. 1 - 7 ✓ 4. 51 - 57		19 - 24
 ★ 2.42-48 ★ 3.1-7 ★ 4.51-57 	Ans	1. 63 - 68
 X 3. 1 - 7 X 4. 51 - 57 		X 2. 42 - 48
X 4.51-57		🗙 3. 1 - 7
		🗙 4. 51 - 57





	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 conclusion(s) logically follow(s) from the statements.
	Statements:
	Some goats are hens.
	All nens are cows. All cows are tigers.
	Conclusionau
	(I) All cows are goats. (II) Some tigers are hens.
Ans	X 1. Both conclusions (I) and (II) follow.
	X 2. Only conclusion (I) follows.
	3. Only conclusion (II) follows.
	× 4 Neither conclusion (I) nor (II) follows
Q.62	In a certain code language, A # B means 'A is the son of B' A % B means 'A is the brother of B' A – B means 'A is the wife of B' A @ B means 'A is the father of B'
	Based on the above how is C related to K if $(C \# O - M \% P \otimes K)^2$
Ans	X 1. Mother's brother's son
	X 2. Brother's son
	X 3. Father's brother
	✓ 4. Father's brother's son
Q.63	Pritam starts from Point A and drives 14 km toward <mark>s So</mark> uth. <mark>He th</mark> en takes a right turn, drives 12 km, turns right and drives 6 km. He the <mark>n take</mark> s a rig <mark>ht tu</mark> rn and drives 6 km. He
Q.63	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Q.63 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Q.63 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) 1. 6 km towards East 2. 8 km towards West
Q.63 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) 1. 6 km towards East 3. 6 km towards South
Q.63 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1. 6 km towards East ✓ 2. 8 km towards West ✓ 3. 6 km towards South ✓ 4. 8 km towards North
Q.63 Ans Q.64	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) 1. 6 km towards East 3. 6 km towards West 4. 8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pairs DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Q.63 Ans Q.64 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1.6 km towards East X 2.8 km towards West X 3.6 km towards South X 4.8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) X 1.VD – TG
Q.63 Ans Q.64 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1. 6 km towards East ✓ 2. 8 km towards West ✓ 3. 6 km towards South ✓ 4. 8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU
Q.63 Ans Q.64 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1. 6 km towards East ✓ 2. 8 km towards West ✓ 3. 6 km towards South ✓ 4. 8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU ✓ 3. WK – SG
Q.63 Ans Q.64 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1.6 km towards East ✓ 2.8 km towards South ✓ 4.8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pairs oto that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU ✓ 3. WK – SG ✓ 4. ZX – XA
Q.63 Ans Q.64 Ans Q.65	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1.6 km towards East ✓ 2.8 km towards West ✓ 3.6 km towards South ✓ 4.8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU ✓ 3. WK – SG ✓ 4. ZX – XA A, B, C, D, E, and F are sitting around a circular table facing the centre. D sits third to the left of E. C sits to the immediate right of E. Only B sits between A and E. How many
Q.63 Ans Q.64 Ans Q.65	Pritam starts from Point A and drives 6 km. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (klortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Q.63 Ans Q.64 Ans Q.65 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Q.63 Ans Q.64 Ans Q.65 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1.6 km towards East ✓ 2.8 km towards Nest ✓ 3.6 km towards South ✓ 4.8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pairs DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU ✓ 3. WK – SG ✓ 4. Z. X – XA A, B, C, D, E, and F are sitting around a circular table facing the centre. D sits third to the lett of E. C sits to the immediate right of E. Only B sits between A and E. How many people sit between E and F, when counted from the right of E? ✓ 1. Two ✓ 2. One
Q.63 Ans Q.64 Ans Q.65 Ans	Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.) ✓ 1.6 km towards East ✓ 2.8 km towards North Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) ✓ 1. VD – TG ✓ 2. DR – BU ✓ 3. WK – SG ✓ 4. ZX – XA A, B, C, D, E, and F are sitting around a circular table facing the centre. D sits third to the left of E. C sits to the immediate right of E. Only B sits between A and E. How many peoples it between E and F, when counted from the right of E? ✓ 1. Two ✓ 2. One ✓ 3. Three





Q.66	Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern. INN : JPM
Ans	X 1. OEY : PGZ
	2. NMN : OOM
	X 3. MGS : NIQ
	X 4. TKR : ULS
Q.67	When the second digit from the left is divided by the second digit from the right in the number 865127, what is the quotient?
Ans	X 1.4
	✓ 2.3
	🗙 3. 1
	X 4.2
Q.68	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)
	(Left) 7 \$ 4 1 7 1 9 6 2 + 5 = 6 3 % 7 5 # 8 @ 4 5 & 7 8 (Right)
	How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?
Ans	1. Three
	Х 2. Тwo
	X 3. One
	X 4. Four
Q.69	In a certain code language, 'WORK' is coded as '1673' and 'FROW' is coded as '7326'. What is the code for 'F' in the given code language?
Ans	✓ 1.2
	★ 2.6
	★ 3.7
	X 4.3
Q.70	Select the term from among the given options that can replace the question mark (?) in the following series.
Ans	X 1. RTI-39
	✓ 2. QSI-41
	🗙 3. QTI-41
	X 4. RSI-39
Section	: General Awareness
Q.71	Which of the following Acts provided for the establishment of a federal, provincial and joint public service commission, Reserve Bank of India and a federal court?
	X 1 Government of India Act 1919
Ans	
Ans	X 2. Government of India Act, 1929
Ans	 X 2. Government of India Act, 1929 X 3. Government of India Act, 1909





Q.72	The Satpura Range is a part of the Peninsular Plateau and is located between which two rivers?
Ans	🗙 1. Krishna and Kaveri
	🗙 2. Godavari and Krishna
	🗙 3. Narmada and Mahi
	✓ 4. Narmada and Tapi
Q.73	The 2024 Copa America championship, which was held in the USA from 20 June to 14 July 2024, is a tournament.
Ans	X 1. Boxing
	X 2. Golf
	X 3. Hockey
	 ✓ 4. Football
Q.74	Which of the following Articles was added by the 42 nd Amendment Act, 1976?
Ans	1. Article 31D
	X 2. Article 31
	X 3. Article 101
	X 4. Article 22
Q.75	In February 2025, the Government of India announced that the South Coastal Railway zone is a new railway zone that will be headquartered in
Ans	🗙 1. Vijayawada
	🗙 2. Tirupathi
	✓ 3. Visakhapatnam
	X 4. Amaravati
Q.76	What was the literacy rate in India according to the 2011 Census?
Ans	× 1.70.05%
	× 2.60.05%
	 ★ 3. 64.05% ★ 4. 74.04%
Q.77	In July 2024, the Export Credit Guarantee Corporation of India (ECGC) announced the
Ans	X 1. 20 crore
	2. 50 crore
	X 3. 10 crore
	X 4. 100 crore
Q.78	Which of the following Acts is also known as the Gagging Act?
Ans	X 1. Government of India Act of 1858
	✓ 2. Vernacular Press Act of 1878
	X 3. Government of India Act of 1919
	X 4. Regulating Act of 1773
Q.79	Which of the following leaders of the Revolt of 1857 was the adopted son of Bajirao Peshwa II?
Ans	🗙 1. Kunwar Singh
	2. Nana Saheb
	V I I I I I I I I I I I I I I I I I I I
	X 3. Tantiya Tope
	 ✗ 3. Tantiya Tope ✗ 4. Raja Pratap Singh





 Ans × 1. Uttar Pradesh × 2. Punjab ✓ 3. Himachal Pradesh × 4. Haryana Q.81 Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'? Ans × 1. 23 March 1919 × 9. 40 Echemone 1040	?
 X 2. Punjab X 3. Himachal Pradesh X 4. Haryana Q.81 Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'? Ans X 1. 23 March 1919 X 2. 40 5 shows 4040 	2
 3. Himachal Pradesh 4. Haryana Q.81 Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'? Ans X 1. 23 March 1919 Ans X 2. 40 Exhause 4040 	?
 X 4. Haryana Q.81 Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'? Ans X 1. 23 March 1919 X 2. 40 Exhause 4040 	?
Q.81 Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'? Ans X 1. 23 March 1919	?
Ans X 1. 23 March 1919	
× 0.40 February 4040	
\land 2. 10 February 1919	
X 3. 20 October 1919	
✔ 4. 6 April 1919	
Q.82 Which of the following Articles of the Indian Constitution declares that Directive Principles are NOT enforceable by any court?	
Ans X 1. Article 51	
2. Article 37	
X 3. Article 35	
X 4. Article 45	
Q.83 Which of the following rivers rises in the Satpura ranges?	
Ans 🛷 1. Tapi	
X 2. Chambal	
🗙 3. Damodar	
🗙 4. Luni	
Q.84 Which constitutional body is responsible for recommending principles for the allow of grants-in-aid to states from the Consolidated Fund of India?	cation
Ans X 1. National Development Council	
2. Finance Commission	
X 3. Planning Commission	
X 4. NITI Aayog	
Q.85 Name the author who wrote the famous book called 'Panchatantra'.	
Ans 🗙 1. Kalhana	
🗙 2. Daņģin	
🛹 3. Vishnu Sharma	
🗙 4. Śūdraka	
Q.86 The Economic Survey 2024 calls for a 'tripartite compact'. Which of the following is a part of it?	s NOT
Ans 🗙 1. Private sector	
✓ 2. Foreign investors	
🗙 3. Central government	
X 4. State governments	
Q.87 What is the maximum strength of the Legislative Assembly of a State as per Article of the Indian Constitution?	e 170
Ans 🗙 1. 250	
X 2. 350	
X 3. 200	
✓ 4. 500	





Q.88	Which of the following steers the tropical depressions into India especially during the summer season?
Ans	🗙 1. Western Disturbances
	🗙 2. Northeast Monsoon
	🗙 3. Westerly Jet Stream
	✓ 4. Easterly Jet Stream
Q.89	The Swaran Singh Committee, which recommended the inclusion of Fundamental Duties, was set up by whom among the following Indian Prime Ministers?
Ans	🗙 1. Lal Bahadur Shastri
	🛹 2. Indira Gandhi
	🗙 3. Rajiv Gandhi
	🗙 4. Morarji Desai
Q.90 Ans	Alai Darwaja is a part of which of the following monuments of Mughal architecture?
	X 2. Red Fort, Delhi
	🗙 3. Red Fort, Agra
	🛹 4. Qutub Minar, Delhi
Q.91	Which significant policy approach was suggested to sustain India's economic recovery in the Economic Survey 2024?
Ans	X 1. Reducing exports
	X 2. Increasing trade deficits
	✓ 3. Heavy domestic efforts and reforms
	X 4. Increase in foreign aid
Q.92 Ans	Tropical rainforests are mainly NOT found in which of the following regions?
	✓ 2. Madhya Pradesh, Uttar Pradesh and Bihar
	X 3. The North-Eastern states
	X 4. Western slope of the Western Ghats
Q.93	Where is the Ranganadi Dam situated?
Ans	X 1. Sikkim
	✓ 2. Arunachal Pradesh
	X 3. Nagaland
	X 4. Manipur
Q.94	The First Five-Year Plan in India focused primarily on which sector of the economy?
Ans	X 1. Industrialisation
	✓ 2. Agricultural development
	X 3. Service sector expansion
	X 4. Infrastructure development
Q.95	Which of the following tools did India adopt for economic development after gaining independence?
Ans	X 1. Privatisation
	X 2. Decentralised planning





Q.96	Manjira is a solid instrument made of
Ans	X 1. cloth
	🗙 2. goatskin
	🛹 3. metal
	X 4. wood
Q.97	When an object is placed at the centre of curvature in front of a concave mirror, the characteristics of the image formed are:
Ans	X 1. at the focus, upright, virtual and diminished
	🗙 2. at infinity, real, inverted and highly enlarged
	leph 3. between the focus and the mirror, virtual, upright and enlarged
	✓ 4. at the centre of curvature, real, inverted and of the same size
Q.98	Tat Vadya are also known as instruments.
Ans	X 1. percussion
	X 2. electronic
	X 3. wind
	✓ 4. stringed
Q.99	Which of the following Amendment Acts provided one-third reservation for women in municipalities?
Ans	X 1. 73 rd Amendment Act
	X 2. 103 rd Amendment Act
	✗ 3. 106 th Amendment Act
	✓ 4. 74 th Amendment Act
Q.100	What was the primary aim of the Third Five-Year Plan (1961-1966) in India?
Ans	X 1. To promote small-scale industries
	X 2. To enhance agricultural production
	✓ 3. To achieve self-sufficiency in food grains
	X 4. To focus on poverty alleviation
Q.101	Which of the given statements about photosynthesis is/are correct? A. Stomata in the leaves absorb sunlight for photosynthesis.
Ans	X 1. Neither A nor B
	2. Only B
	X 3. Both A and B
	X 4. Only A
Q.102	Which of the following statements is correct about the Chairperson of the Monetary Policy committee of India, which was reconstituted by the Government of India in October 2024?
Ans	leph 1. The Chairperson of the Monetary Policy committee will be elected by directors of all public sector banks of India.
	χ 2. The Prime Minister of India will be the de facto Chairperson of the Monetary Policy committee for FY25.
	 X 2. The Prime Minister of India will be the de facto Chairperson of the Monetary Policy committee for FY25. X 3. The CAG of India is the Chairperson of the Monetary Policy committee.





Q.103	Prime Minister Indira Gandhi declared emergency on 25 June 1975, which lasted for months.
Ans	★ 1.15
	✓ 2. 21
	🗙 3. 26
	X 4. 17
Q.104	The President of the Government of Spain, Pedro Sanchez, paid an official visit to India on which dates in 2024?
Ans	 ✓ 1. 27 - 29 October 2024 ✓ 0. 04 - 05 October 2024
	 2.04 - 05 October 2024 3.44 - 45 October 2024
	 ∧ 3. 14 - 15 October 2024 × 4. 28 - 20 Sentember 2024
	▲ 20 - 29 September 2024
Q.105	Scurvy is characterised by swelling and bleeding of gums. Deficiency of which vitamin causes scurvy?
Ans	
	Vitamin C
Q.106	Which of the following was the smallest administrative unit in the Mauryan Empire?
Ans	✓ 1. Village
	X 2. Province
	X 3. District
	X 4. Town
Q.107	How many Param Rudra supercomputers wort <mark>h around ₹130 crore w</mark> ere launched by Prime Minister Narendra Modi on 26 Septemb <mark>er 2024?</mark>
Ans	X 1.5
	✓ 2.3
	X 3.7
	X 4.2
Q.108	Which of the following was a focus in the Budget 2024 to stimulate growth in the MSME
Anc	sector?
Alls	
	3 Loan schemes for small businesses
	X 4. Reduction in GST rates
Q.109	What was the policy of the 'Doctrine of Lapse' that caused discontent among Indian rulers before the rebellion of 1857?
Ans	X 1. The British would pay subsidies to Indian rulers.
	🗙 2. The British government would adopt Indian rulers without heirs.
	✓ 3. The British could annex a princely state if the ruler did not have a natural/biological heir.
1	A 4. The British would intervene in Indian courts.
Q.110	Which of the following is an indicator of economic development?
Q.110 Ans	 A. The British would intervene in Indian courts. Which of the following is an indicator of economic development? 1. Rising per capita income
Q.110 Ans	 A. The British would intervene in Indian courts. Which of the following is an indicator of economic development? 1. Rising per capita income 2. Decreasing exports
Q.110 Ans	 A. The British would intervene in Indian courts. Which of the following is an indicator of economic development? 1. Rising per capita income 2. Decreasing exports 3. Reduction in industrialisation





Q.111	Which of the following countries signed a historic Memorandum of Understanding (MoU) for civil nuclear cooperation in September 2024?
Ans	X 1. India and the United States of America
	🗙 2. Ukraine and United Kingdoms
	🗙 3. Sri Lanka and Russia
	✓ 4. India and the United Arab Emirates
Q.112	Which Indian flautist won two Grammys at the Grammy Awards ceremony at Los Angeles In February 2024?
Ans	🗙 1. Rishab Prasanna
	🗙 2. Ronu Majumdar
	🗙 3. Shashank Subramanyam
	✓ 4. Rakesh Chaurasia
Q.113	Which of the following Hydroelectric Power Projects is located on Narmada River?
Ans	🗙 1. Nagarjuna Sagar Project
	🗙 2. Koyna Project
	🛷 3. Sardar Sarovar Project
	🗙 4. Ranjit Sagar Project
Q.114	What does the term 'liberalisation' refer to in the context of the economy?
Ans	X 1. Nationalising private industries
	✓ 2. Opening up the economy to foreign trade
	X 3. Reducing taxes for all citizens
	X 4. Increasing government regulations
Q.115	Which of the following Gupta rulers defeated Shaka King Rudrasimha III and captured his kingdom?
Ans	X 1. Kumaragupta
	X 2. Skandagupta
	✓ 3. Chandragupta II
	X 4. Chandragupta I
Q.116	What does E3 stand for in the 'BioE3 Policy' unveiled by the Department of Biotechnology in August 2024?
Ans	🗙 1. Econometrics, Ecosystem and Experience
	🗙 2. Equity, Ecological footprint and Ecofeminism
	🗙 3. Economic surplus, Erosion and Employment gap
	✓ 4. Economy, Environment and Employment
Q.117	Which Indian Navy ship visited Port Louis, Mauritius in June 2024, as part of a long- range deployment?
Ans	✓ 1. INS Sunayna
	X 2. INS Vikrant
	✗ 3. INS Talwar
	X 4. INS Shivalik
0 119	In a material, the mass is the
Ans	X 1. gravitational force acting on it
	X 2. amount of space it occupies
	X 3 amount of water it replaces
	4 amount of matter it bas





Q.119	The Constitution (Scheduled Castes and Scheduled Tribes) Orders (Amendment) Bill, 2024, was related to which state?
Ans	🗙 1. Bihar
	🗙 2. Tamil Nadu
	🛷 3. Odisha
Q.120	 4. Punjab Using dimensional analysis, determine which of the following pairs of physical
Q.120	 ¥ 4. Punjab Using dimensional analysis, determine which of the following pairs of physical quantities have the same dimensions?
Q.120 Ans	 4. Punjab Using dimensional analysis, determine which of the following pairs of physical quantities have the same dimensions? 1. Latent heat and gravitational potential
Q.120 Ans	 4. Punjab Using dimensional analysis, determine which of the following pairs of physical quantities have the same dimensions? 1. Latent heat and gravitational potential 2. Linear momentum and angular momentum
Q.120 Ans	 Y 4. Punjab Using dimensional analysis, determine which of the following pairs of physical quantities have the same dimensions? 1. Latent heat and gravitational potential X 2. Linear momentum and angular momentum X 3. Force and torque

