SECTION A:								
1.	a and b are prime numbers. I.a² has three positive integer II.ab has four positive integer III.a³ has four positive integer a) I and II only	r factors	c) All of these	d) None of these				
2.	A group of four numbers has only one prime number amongst them. Which of the following must be true about the group? I.The HCF of the four numbers of the group is either 1 or equal to that prime number. II.The LCM of the four numbers of the group is same as the product of the prime number and the LCM of the remaining three numbers. III.The product of four numbers is equal to the product of the prime number*the HCF of the group*the LCM of the group. a) I only b) II only c) I and II only d) I, II and III							
3.	Find the number whose square is equal to the difference between the squares of 75.15 and 60.12. a) 225.9 b) 67.635 c) 45.09 d) 15.03							
4.	A certain piece of property ha a) Rs 6280,37.5%	aving depreciated by Rs.2355,is b) Rs. 6280,30%	s now worth Rs 3925.What was c) Rs, 1570,37.5%	s its original value? By what % has it depreciated? d) None of these				
5.	21 pencils and 29 pens cost of each pen. a) Re.1	rs.79.But if the number of pencils and pens were interchanged, the cost would be reduced by Rs. 8.Find the cost						
		b) Rs.2	c) Rs.3	d) Rs.4				
6.	Find three consecutive positive a) 5,6,7	ve integers such that the squar b) 10,11,12	e of their sum exceeds the sun c) 9,10,11	n of their squares by 214. d) 7,8,9				
7.	In an election for the Preside	ent, 261 valid votes are cast, for the 5 contestants. Find the least number of votes a candidate requires to receive						
	to win the election. a) 53	b) 54	c) 257	d) 72				
8.	The median and mode of 25, a) 26,25	26,28,29,30,21,25,28,27,25 is: b) 26.5,25	c) 25.5,26	d) 25,25				
9.	Rs. 79.20 is divided among 7 woman and boy have togethera) Rs. 1.20		to that each woman may have c) Rs. 4.80	thrice as much as a boy and a man as much as a d) Rs.5				
10	D. Cask A contains wine and water in the ratio 6:7 and cask B in the ratio 9:4.In what ratio must the contents of the two casks be mixed to							
10.	a mixture of wine and water in the ratio 8:5? a) 1:3 b) 2:3		c) 1:2	d) None of these				
SECTION B: Directions for Q 11 to 20: Each question is followed by two statements, I and II. Answer each question using following instructions: Choose 1: if the question can be answered by using one of the statements alone, but cannot be answered using the other statement alone. Choose 3: if the question can be answered by using both of the statement together, but cannot be answered using either of the statement alone. Choose 4: if the question cannot be answered even by using both the statement together.								
11.	A circle is circumscribed over a regular hexagon. What is the length of each side of the hexagon? I.The difference between the areas of the circle and the hexagon is 50 sq. units. II.The perimeter of the hexagon is equal to the circumference of the circle multiplied by 0.955. a) 1 b) 2 c) 3 d) 4							
12.	Average sales of Bata shoes for the month of January, March and April were 1,52,000.What were the sales in February? I.Average of March and April was 1,41,000. II.Average of January and February is 1,53,000. a) 1 b) 2 c) 3 d) 4							
13.	What is the units digit in the I.x is a multiple of 3 less that II.x is odd. a) 1		c) 3	d) 4				
14.	If 2 plates and a spoon cost Rs. 4,how much does a spoon cost? I.6 plates and 6 forks cost Rs.12.							

	II.A fork costs half as much a	as a spoon. b) 2	c) 3	d) 4				
15.	15. B is as older as A as he is younger than C.What is B's age? I.The sum of the ages of A,B and C is 72years.							
	II.B's age is equal to the aver a) 1	b) 2	c) 3	d) 4				
16.	What is the value of x in 14x4 I.The number 14x433 is divis II.x<5.							
	a) 1	b) 2	c) 3	d) 4				
17.	What is the first term of the A I.The sum of first three terms II.The product of the first three a) 1	s is 30.	c) 3	d) 4				
18.	8. If x and y are prime numbers, what is the value of x*y where x and y are tens and units digits of a two digit number respective							
	I.x+y=10. II.1050 is divisible by x*y. a) 1	b) 2	c) 3	d) 4				
19.	Is p or q negative? I.pq² is positive. II .pq is a) 1	negative. b) 2	c) 3	d) 4				
20.	20. What is the profit % on the sale of a toy? I.The marked price is 20% higher than the cost price and a discount of 10% is offered thereon. II.The selling price is Rs. 1050.							
	a) 1	b) 2	c) 3	d) 4				
	ons for Q 21 to 22:Choose the If in a certain code COVET is a) QUAKE		d would be written as SHDUO? c) VKGXR	d) PEARL				
22.	If REASON is coded as 5 and a) 6	BELIEVED as 7, what is the co b) 8	de number for GOVERNMENT? c) 9	d) 10				
			SECTION C:					
<u>Directions for Q 23 to 25:</u> Choose the pair that is related to each other in the same way as the capitalized pair.								
23.	GALLEY: SHIP a) mall: market	b)kitchen: house	c)banquet: feast	d)restaurant: hotel				
24.	LETHARGIC: STIMULATE a) skeptical: convince	b)bored: disinterested	c)unwilling: willing	d)erudite: teach				
25.	MANDATORY: COMPLY a)command: obey	b)forbidden: abstain	c)tacit: approve	d)lawful: abide				
<u>Directions for Q 26 to 28</u> : Find the odd one out from the group of four words								
26.	a) Files	b) Desks	c) Typewriters	d) Washing – machines				
27.	a) Microwaves	b) Refrigerators	c) Coolers	d) Air – conditioners				
28.	a) Teak	b) Pine	c) Birch	d) Ivy				
Choose the pair that is NOT related to each other in the same way as the capitalized pair								
29.	PENCHANT: REPUGNANCE a)Confute: Refute	b)Dogmatism: Rationality	c)Neopphyte:Epiphyte	d)Incertitude: Certainty				
Find a word, which will bear a similar relation with the third word as the first word has with the second.								
30.	Bolt: Spanner::Peg:?? a) nail	b)screw	c)hammer	d)anvil				