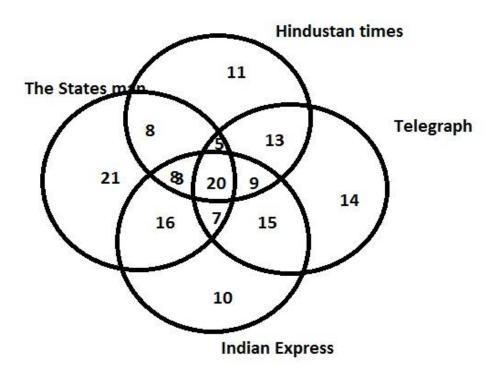
1.	Four equal circles are described about the four corners of a square so that each touches two of the or Find the area of the space enclosed between the circumferences of the circle; each side of the square measuring 28m.						
	a. 180m ²	b. 176 m ²	c. 168 m ²	d. NOTA			
2.	The diagonals of a rhor	mbus are 24cm and 32 cr	n respectively. Find its h	eight.			
	a. 12cm	b . 19.2cm	c. 10.5cm	d. 14.8cm			
3.				ath 4m wide running all around			
	outside it has an area of 416 m ² . Find the dimensions of the field.						
	a. 424 m ²	b. 432 m ²	c. 440 m ²	d. 448 m²			
4.	A ladder, 25 m long is r		n its foot 7m from the wa	all. How far should the foot be drawn			
	hat the foot is drawn out?						
	a. 8 m	b. 5 m	c. 6 m	d. 7 m			
5.	The area of an acute ar		and the sides are 26m a	nd 30m. Find its base. 28m			
	The area of an acute angled triangle is 336 m2, and the sides are 26m and 30m. Find its base. 28m A house 56 m wide has a roof with unequal slopes, the length of which are 25m and 39m. Find the height of						
	the ridge above the ear	·	,	G			
7.	-		onals is 50m long and th	ne lengths of perpendiculars from the			
		29m and 21m respective					
	a. 1200 m ²	b. 1250m²	c. 1280m ²	d. NOTA			
8.	The base of a rectangu	lar solid is a square, and	its height is twice its len	gth. If its volume is 16000 m ³ find the			
	area of its surface.						
	a. 1800 m ³	b. 1880 m ³	c. 2000 m³	d. NOTA			
9.		n in diameter and 0.4 cm	thick is to be melted to	form a right circular cylinder of height			
	16 cm and diameter 5 cm?						
	a. 200	b. 250	c. 300	d. 350			
10.	10. In how many ways can three balls be arranged in 9 different boxes in a row such that the number of balls in						
	each box does not exceed 1?						
	a. 84	b. 504	c. 360	d. 729			
11.	How many 5 digit numbers can be formed out of the digits 3, 2, 7, 4 and 0, if no digits is to be used more						
	than once?						
	a. 96	b. 24	c. 720	d. 120			
12.	Seven unbiased coins a	re tossed together. Wha	t is the probability of ge	tting more heads than tails?			
	a. 1⁄2	b. 3/8	c. 3/7	d. 4/7			
13.	3. A lady builds 9cm length, 10 cm width and 3 cm height box using 3 cubic cm cubes. What is minimum number of cubes required to builds the box?						
	a. 30 cubes	b. 60 cubes	c. 120 cubes	d. None of these			
14.	A circular garden has a	diameter of 56m. It has	a circular path running a	ll around and outside it. The			
	difference between the circumferences of the larger and the smaller gardens is 44m. Find the width of the						
	path?						
	a. 7m	b. 14 m	c. 28 m	d. 44 m			
15.	The ratio of the bases of 2 triangles is x:y and that of their areas is a:b. then the ratio of their corresponding						
	altitudes will be						
	a. ax : by	b. bx : ay	c. ay : bx	d. x:y			
16. The area of the circle of radius 5 units is numerically what percent its circumference?							
	a. 2.5%	b. 25%	c. 250%	d. CBD			

17.	Three coins are tossed.	What is the probability	of getting two tails and o	one head?				
	a. ¼	b. 3/8	c. 2/3	d. 1/8				
18.	18. If $10c_x = 10c_{15-2x}$ then find 8PX.							
	a) 6720	b) 1500	c) 56	d) 2000				
19.	bag contains 8 white balls and 12 black balls. What is the probability of getting 2 white and 3 black balls?							
	a) $\frac{290}{256}$	b) $\frac{385}{969}$	c) $\frac{150}{389}$	d) $\frac{332}{846}$				
	256	969	389	846				
20.	Three balls are drawn at random from collection of 7 white, 12 green and 4 red balls. The probability that							
	each is of different colour is							
	a) $\frac{52}{217}$		c) $\frac{48}{253}$	d) NOTA				
	$a_{1} {217}$	D) 242	$\frac{1}{253}$	d) NOTA				
24								
21.	 In how many ways can the letters of the word 'QUANTITATIVE' be arranged such that the vowels always. 							
	comes together							
22	Have many wards as a la	CELLED/3						
22.	now many words can b	ie formed using all the le	etters of the word 'BOOK	SELLEK ?				
22	Find the number of diff	erent words that can be	formed using all the lett	ers of the word 'PAINBOW' such that				
23.	Find the number of different words that can be formed using all the letters of the word 'RAINBOW' such that							
24	each word begins with R and ends with W. 24. In a hexagon, one of the interior angle is 100•. If all the other angles are equal, find each of these ang							
24.	a. 120 [®]	b. 60 [®]	c. 154®	d. 124®				
25								
25.	A wall of measurements $30m \times 12m \times 4m$ was constructed with bricks of dimensions $8cm \times 6cm \times 6cm$. if 80% of the wall consists of bricks, find the number of bricks used for the construction?							
	a. 3000000	b. 400000	c. 5000000	d. 6000000				
26.								
	From 13 persons waiting in the queue in how many ways can a selection of 9 be made so that a specific person is always included?							
	a) 500	b) 495	c) 600	d) 850				
27		=	•	ncluding the position of rest. What is				
	the total number of signal that can be made?							
	a) 4095	b) 4096	c) 24	d) 64				
28.	A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can three ball be drawn from							
	the box, if at least one black ball is to be included in the draw?							
	a) 60	b) 55	c) 64	d) 72				
29.	A coin is tossed 2 times	•	of getting at least one h	ead?				
	a. ¼	b. 3⁄4	c. 2/4	d. 1				
30.	In a survey of payments	s of electrical bills of a re	•	houses, it is found that 50 houses				
			· ·	bruary and 40 in March. Some				
	nouses can default in consecutive months only. 20 defaulted in January and February, 10 defaulted in February and March. How many houses defaulted in all the three months?							
	a. 4 b. 5	c. 6	d. 7					

Directions (31 - 35): Refer the diagram below:

- 31. Which newspaper has the maximum readership? **TELEGRAPH**
- 32. How many persons read Hindustan times or The Statesman or The Indian Express?
- 33. How many persons read Hindustan times and Telegraph among the other newspapers? 47
- 34. How many persons read any three of the above newspapers? 24
- 35. How many persons in total read The Statesman along with at least one of the remaining news papers? 59



36. Statements:

- I. Some pictures are frames.
- II. Some frames are idols.
- III. All idols are curtains.

Conclusions

- I. Some curtains are pictures.
- II. Some curtains are frames.
- III. Some idols are frames.
- (a) Only I and II follow
- (c) Only I and III follow

- (b) Only II and III follow
- (d) All follow

37. Statements:

- I. Some ice are rings.
- II. No ring is paint.
- III. Some rings are gold.

Conclusions:

- I. No gold is paint.
- II. No ice is gold.
- III. Some rings are paints.
- IV. All golds are rings.
- (a) Only I and III follow

(b) Only I and II follow

c) Only III and IV follow

(d) None follows

In each of the following questions statements are followed by conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

- A. If only (1) conclusion follows
- B. If only (2) conclusion follows
- C. If either (1) or (2) follows
- D. If neither (1) nor (2) follows and
- E. If both (1) and (2) follow.

38. Statement:

- I. All plates are kitchen.
- II. No spoon is a plate.

Conclusions

- I. No spoon is kitchen.
- II. Some spoons are kitchen.

39. Statement:

- I. All pens are sketches.
- II. All sketches are pencils.

Conclusions

- I. All pens are pencils.
- II. Some pens are not pencils.

40. Statements

C

C

Α

- I. All vegetables are green.
- II. Some greens are fruits.

Conclusions

- I. Some fruits are vegetables.
- II. No fruit is vegetable.