## D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS) APTITUDE TEST

## **Geometry Test -15**

1.	Find the circumference of the semicircle	of radi	us 7.			
a)	33	b)	34			
c)	35	d)	22			
2.	Find the area of the sector which makes	90 deg	gree at the center for the circle with			
ra	dius 14 cm					
a)	134	b)	144			
c)	154	d)	164			
3.	3. Find the circumference of the semicircle of radius 2.					
a)	10	b)	11			
c)	6.29	d)	11.3			
4.	Find the circumference of the semicircle	of radi	us 21.			
a)	66	b)	79			
c)	82	d)	53			
5.	If the ratio of areas of two circles are 16	: 25, th	nen the ratio of the radii of the circle			
wi	ll be					
a)	(4:5)	b)	(4:7)			
c)	(4:7)	ď)	(3:7)			
	Find the circumference of the semicircle	e of rad	lius 14.			
a)	48	b)	51			
c)	44	ď)	73			
	Find the area of trapezium whose length	of the	parallel sides are 12 and 28 cm. If			
	e distance between the parallel sides are		-			
tra	apezium is	C				
a)	450	b)	400			
c)	500	d)	600			
8.	Two circles of radius 3 cm and 4 cm, are	drawr	n in such a way that they touch each			
ot.	her exactly at one point. A and B are two	points	on these two circles. If AB denotes			
th	e distance between them, then the maxin	num va	alue of AB can be			
a)	11	b)	5			
c)	16	d)	12			
9.	A wire in the form of a circle of radius 3	3.5 m i	s bent in the form of a rectangle,			
wł	nose length and breadth are in the ratio o	of 6:5	. What is the area of the rectangle?			
a)	28	b)	29			
c)	30	d)	31			
	). Find the area of trapezium whose paral	•	es are 20 cm and 18 cm long, and the			
	stance between them is 15 cm		<u>.                                    </u>			
a)	285	b)	275			
c)	295	ď)	265			
,	. Length and breadth of a rectangular plo	ot is 20	m & 27m respectively. Find the			
Difference between Area and Perimeter?						
a)	493	b)	352			
c)	540	ď)	446			
12. Find the volume of a cube of side 12 cm						
a)	1788	b)	1728			
c)	1628	ď)	1718			
,	3. Find the volume of the cylinder which h	,				

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radius 3 meters?.					
a) 396	b)	386			
c) 406	d)	416			
14. Find the volume of a cuboid with dimension	sion 2	2 cm by 12 cm by 7.5 cm			
a) 1960	b)	1880			
c) 1980	ď)	1970			
15. The circumference of a park is 750 m. A	and I	3 start walking from the same			
direction at 6.75 kmph and 4.75 kmph. In v		_			
a) 3 hours	b)	2.5 hours			
c) 3.5 hours	d)	4 hours			
16. A cone of height 9 cm with diameter of it	,				
solid sphere of radius 9 cm. The percentage					
a) 25%	b)	30%			
c) 50%	d)	75%			
17. The length of the side of a square is repr	,				
an equilateral triangle is 2x. If the square ar		-			
perimeter, then the value of x is	ia tiic	equilateral triangle have equal			
a) 5	b)	14			
c) 17	d)	4			
18. The dimensions of a certain machine are	,				
machine is increased proportionately until t					
What will be the increase in the shortest sid		in of its differisions equals 130.			
		26			
a) 6 c) 32	b)				
,	d)	Data insufficient			
19. The edge of a cuboid are in the ratio 1:	2.38	and its surface area is 66 cm <sup>2</sup> . The			
volume of the cuboid is:	<b>b</b> )	49 am 3			
a) 24 cm <sup>3</sup>	b)	48 cm <sup>3</sup>			
c) 64 cm <sup>3</sup>	d)	120 cm <sup>3</sup>			
20. There is a rectangular Garden whose ler					
walkway of uniform width around garden. Area of walkway is 516 m <sup>2</sup> . Find width of					
walkway?	1- \	2			
a) 1	b)	2			
c) 3	d)	4			
21. The four walls and ceiling of a room of le					
are to be painted. Painter A can Paint 200 s	qr.it 11	1 5 days, painter B can paint 250			
sqr.ft in 2 days. If A & B work together, in how many days do they finish the job?					
4 (11 (20)	• \	0 (10 (0 ()			
a) 4 (11/32)	b)	9 (10/34)			
c) 6 (10/33)	d)	7 (11/34)			
22. Find the curved surface area of a cylind	ler of l	length 7 m and a base of radius 4			
meter.					
a) 156	b)	186			
c) 166	d)	176			
23. The volume of a cylinder is 1632 ft <sup>3</sup> . If the	ne hei	ght of the cylinder is 24 ft., what is			
the area of it's base?					
a) 68 sq. ft	b)	64 sq. ft			
c) 64 sq. ft	d)	74 sq. ft			
24. Find the length of the diagonal of a cubo	oid 12:	m long, 9 m broad and 8 m high.			
a) 18	b)	17			

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c) 20 d) 29
25. Find the volume of the cylinder which has a height of 7 meters and a base of radius 2 meters. ?
a) 98 b) 88
c) 78 d) 86