IX	Class					<u></u>						
			EXERCI	<u>SE - 5 to 7</u>								
I.	ONE mark questions :											
1.	Find the area											
2.	Find the perimeter of a semicircle if its radius is 2.1 cm.											
3.	The radius of a circular field is 77m. A path of width 7m is laid out side around it. Find											
	its area.	its area.										
4.	The radii of a ring are 5 cm and 3 cm then find its area.											
5.	The angle of a sector is 72^0 and its radius is 14 cm. Find its length of arc.											
6.	The radius of a sector is 14 cm and its angle is 135° . Find its area.											
7.	What is the area of a sector whose radius is 28 cm and its length is 132 cm.?											
8.	The perimete	The perimeter of a sector is 56 cm and its length is 32 cm. Find its radius.										
II.	Choose the o											
9.	Area of the c	[]									
	a) $\frac{\pi d^2}{4}$	b) πr^2		c) $\frac{\pi r^2}{2}$	d) $\frac{d^2}{4}$							
10.	Angle in sem	nicircle is			[]						
	a) 30 ⁰	b) 6	50^{0}	c) 90 ⁰	d) 180 ⁰							
11.	Circumferen	ce of a circle	whose diamete	: is 7 cm is []								
	a) 44 cm	b) 1	47 cm	c) 14 cm	d) 22 cm							
12.	The circumf	erence of a se	4cm, then its radius is	[]							
	a) 24.5cm	b)49cm	c) 44cm	d)None								
13.	The radius o	The radius of a ring are 'p' cm and 'q' cm then its width										
	a) p +q	b)p-q	c) pq	d)p/q								
14.	14. The ratio between radius and diameter of		of a circle is	[]							
	a) 2: 1	b) 1: 2	c)3:2	d) None								
15.	The diameter	r of circle is e	qual to the sid	e of a square then the ratio	o of their areas is[]						
	a) $\pi: 4$ b) $4:\pi$			c) 22:7	d) 7 : 22							
16.	16. The perimeter of a semicircle		rcle of radius	ʻr' is	[]						
	a) π d	b) $\frac{22}{7}r$	c) $\frac{36}{7}r$	d)None								

17.	Area of sector whose radius is x and leng	[]]						
	a) $\frac{1}{2} x^2 y$ b) $\frac{1}{2} x y$		c) $\frac{1}{2}$	(x+y) d) $2(x+y)$					
18.	The angle of a sector with its area $1/_5$ of an	[]]						
	a) 120° b) 180° c) 270°	d)72	20						
III.	Fill in the blanks:								
19.	Angle at the centre of the semicircle is								
20.	The longest chord of a circle is								
21.	Radius of the bigger circle of a ring is equal to								
22.	The area of ring is								
23.	Perimeter of a semi circle of radius 'r' cm is								
24.	The perimeter of a semi circle is 144cm, then its radius is								
25.	The area of semi circle of radius 35 cm								
26.	Area of sector if its length is 14cm and radius is 10 cm is								
27.	The area of a sector of radius 'r' is A then	its len	gth $l = $ _						
28.	The angle made by a sector is 270° then the area occupied by the sector in circle is								
IV.	Match the following :								
	Group- A		Grou	ıp – B					
29.	Area of sector	[]	(A) $l + 2r$					
30.	Area of ring	ſ	1	(B) $\frac{36}{r}$					
	C C	L		7					
31.	Length of the sector	[]	(C) $\frac{x^0}{360}\pi r^2$					
32.	Perimeter of semi circle	[]	(D) π (R- r)					
33.	Perimeter of the sector	[]	(E) $\pi(R + r) (R - r)$					
				(F) $\frac{x^0}{360}2\pi r$					
				(G) $\frac{lr}{2}$					