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X- Mathematics Assignment No 04-Areas Related to Circles.

al. The area of an equilateral & in 4953 cm? Taking each angular point as centre, a circle in described with hadius equal to half the length of the side of the triangle. Find the area of the triangle not included in the circle.

22. The area of a circle inscribed in an Equilateral triangle is $154 \, \mathrm{cm}^2$. Find the perimeter of the triangle and also the area of the Δ (Equilateral) (use $T = \frac{24}{7}$, $\sqrt{3} = 1.73$)

Q3. In an Equilateral triangle of Side 18 cm, a circle is inscribed tenching its sides. Find the area of the remaining portion of the triangle (\square{3} = 1.732)

the form of rectangle 28cm

ABCD of Sides hocux 28cm A 40cm B

A Semi-Circular portion with BC as diameter in cut of. Find the area of the remaining paper.

Cont-lg-2

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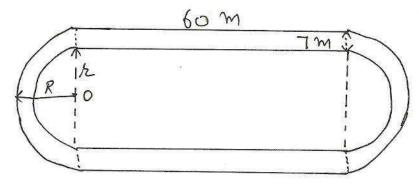
- as. Find the area of the region between 19-2 the two Concentric Circles, if the length of the chord of the outer circle touching the inner circle is 14 cm.
 - A6 OABC is a rhombus whose three vertices A, B, C lie on a circle with centre o . If the ladius of the circle is 10 cm. Find the area of the rhombus.
 - 07. The Short and long hand of a clock are 4 cm and 6 cm long respectively. Find the Sum of distances travelled by their tips in 2 days
 - As. A boy in eyeling such that the wheels of the cycle are making the revolutions per minute. If the diameter of the wheel in 60 cm, calculate the speed per how with which the boy is eyeling.
 - A9. The inner Circumference of a Circular track in 440 m. The track in 14 m wide. Calculate the cost of levelling the track at the Rate of 10.25 paisa per square meter. Also find the Cost of fencing the outer circle at the Late of RS25 per meter.

Cont-lg-3

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Pg-3

Q 10.



The inside perimeter of a Minning track as Shown above in the diagram. The length of each of the straight portion is 60 m and the ends are semi-circular. The width of the track every where in 7 m, find the area of the track.

ANSWERS:-

HYSWERS:-			
(B1)	7.868cm2	(26)	86.6 cm2
(2)	P = 72.7 cm	<i>(</i> 27)	608 TT Cm
	$A = 100.3 \text{cm}^2$	(28)	1584 km/hr
(23)	55. 43 cm2		**
(Q4)	308 Cm2	(49)	levelling = Rs 69454 Fencing = Rs 13200
W =1	154 cm	(0.10)	7
(25)	7.0 7 6.11		