

**BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.**  
**FEBRUARY ASSIGNMENT**  
**CLASS- VII (MATHEMATICS)**  
**CHAPTER : PERIMETER AND AREA**

**SECTION -A (MULTIPLE CHOICE QUESTIONS)**

1.	The value of ( $\pi$ ) is (a) Ratio of circumference to diameter (c) diameter to circumference	(b) $21/17$ (d) 3.41
2.	The area of the triangle is $36 \text{ cm}^2$ and the height is 3 cm, the base of the triangle will be (a) 12 cm      (b) 39 cm      (c) 108 cm      (d) 24 cm	
3.	Assertion: The area of a parallelogram of base 5 cm and height 3.2 cm is $16 \text{ cm}^2$ Reason: Area of parallelogram = $b \times h$ a) both assertion and reason are correct and reason is correct explanation for assertion. b) both assertion and reason are correct but reason is correct explanation for assertion. c) assertion is true but reason is false. d) assertion is false but reason is true.	

**SECTION - B( 2 MARKS QUESTIONS)**

4.	Area of a circle is $154 \text{ cm}^2$ . Find its circumference.
5.	The minute hand of a circular clock is 15 cm long. How far does the tip of the minute hand move in 1 hour.

**SECTION - C (3 MARKS QUESTIONS)**

6.	How many times a wheel of radius 28 cm must rotate to cover a distance of 352 m?
7.	Find the cost of polishing a circular table - top which has a diameter of 1.6 m if the rate of polishing is Rs $15/\text{m}^2$

**SECTION - D (5 MARKS QUESTIONS)**

8.	Ron took a wire of length 176 cm and bent it into the shape of a circle. Find the radius of that circle. Also find its area. If the same wire is bent into the shape of a square, What will be the length of each of its sides? Which figure encloses more area, the circle or the Square?
9.	A circular flower bed is surrounded by a path 4 m wide. The diameter of the flower bed is 66 m. What is the area of this path?

**SECTION - E (CASE STUDY)**

10.	Shreya is fond of art and craft and loves to do it as a recreational activity. Yesterday, from a circular card sheet of radius 14 cm, she cut two circles of radius 3.5 cm and a rectangle of length 3 cm and breadth 1cm to make the face of Doraemon. Based on above information, answer the following questions: a) Find the area of circular sheet. b) What is the area of two circles and a rectangle? c) What is the area of remaining sheet?
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