Class : 7

Register Number						

SECOND MID TERM TEST - 2024

MATHEMATICS

Time Allowed : 1.00 Hours]   [Max. Marks : 30

PART - I

I. Choose the correct Answer.   4x1=4

1. The Place value of 3 in 85.073 is --------------

    (a) Tenths   (b) Hundredths   (c) Thousands   (d) Thousandths

2. 37.70 ☐ 37.7

    a) =   b) <   c) >   d) ≠

3. In the formula, $C = 2\pi r$, 'r' refers to

    a) Circumference   b) area   c) Rotation   d) Radius

4. The ratio of the area of a circle to the area of its semicircle is ------------

    (a) 2 : 1   (b) 1 : 2   (c) 4 : 1   (d) 1 : 4

II. Fill in the blanks   3x1=3

5. The Decimal Representation of 30kg and 43g is ----30.043---- kg.

6. $6 + \dfrac{0}{10} + \dfrac{0}{100} + \dfrac{9}{1000} =$ ----6.009----

7. Distance around the circular region is called ----------- of the circle.

III. Match the following: 3x1=3

8. The decimal form of $\dfrac{9}{1000} - \dfrac{1}{1000}$ km

9. 1 Meter   - $\pi(R^2 - r^2)$ sq. units

10. Area of circular path   -   1000

                            -     0.009

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PART - II

IV. Answer any 3 of the following.   3x2=6

11. The height of a person is 165cm. Express this height in meter. ✓ 1.65cm

12. Write the following decimal as fraction   (i) 2.5   (ii) 0.04 ✓ (i) $\frac{25}{10}$ (ii) $\frac{4}{100}$

13. Represent the decimal number on the number line. 1.7

14. The diameter of a circular well is 4.2m. What is its circumference?

15. Find the area of a circular pathway whose outer radius is 32cm and inner radius is 18cm. ✓ 2200cm²

PART - III

                                                                      3x3=9

V. Answer any 3 of the following:

16. Express the following Decimal Numbers in Place Value Grid and Write the place value of the underlined digit. *Hundreds Hundreds.*

(i) 53.6̲1 *Tenths*   (ii) 9.65̲7 *Tenths* (iii) 28.27̲1 ✓

17. **Arrange the given Decimal Numbers in Ascending and Descending Order.**

17.35, 71.53, 51.73, 73.51, 37.51 ✓

18. **Convert the fractions into Decimal Numbers.**

(i) $\frac{3 \times 5}{2 \times 5} = \frac{15}{10}$ 1.5   (ii) $\frac{4}{5} = \frac{8}{10} = 0.8$ (iii) $\frac{99}{100}$ 0.99 ✓

19. In a Grass land, a Sheep is tethered by a rope of length 4.9m. Find the Maximum area that the Sheep can Graze.

20. A Rectangular Garden has Dimensions 11m x 8m. A Path of 2m wide has to be constructed along its sides. Find the area of the path.

PART - IV

                                                                      5x1=5

VI. Answer any 3 of the following:

21. Construct a triangle XYZ with measures of XY=6.4cm, ZY=7.7cm and XZ=5cm.   (OR)

Construct an isosceles triangle ABC with equal sides 4.6cm and third side 6.5cm

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