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Tamilnadu Board

Mid-Term Exam Question Paper

2023



SECOND MID TERM TEST - 2023

7 . - Std **MATHES**

Time : 1.30 Hrs. Marks: 30

I. Fill in the blanks: **6×1=6**

1) The place value of 3 in 85.073 is _____.

2) $3+\frac{4}{100}+\frac{9}{1000}$ = ? _____.

3) The decimal number which lies between 4 and 5 is _____.

4) Formula used to find the circumference of a circle is _____.

5) The ratio of the area of a circle to the area of its semicircle is _____.

6) The formula to find the area of circular path is _____.

II. Answer any five questions: **5×2=10**

7) Find the area of the dining table whose diameter is 105 cm?

8) If the circumference of the circle is 1760 cm. Then calculate the radius?

9) Find the area of a circular pathway whose outer radius is 32 cm and inner radius is 18 cm?

10) Arrange ascending order: 123.45, 123.54, 125.43, 125.34, 125.3

11) The height of a person is 165 cm. Express this height in metre.

12) Convert fractions into decimal numbers: (i) $\frac{3}{2}$ (ii) $\frac{4}{5}$

13) Find the greater decimal number: 5.6, 6.5

14) What is the circumference of the circular disc of radius 14 cm?

III. Answer any three questions: **3×3=9**

15) Kannan divides a circular disc of radius 14 cm into four equal parts. What is the perimeter of a quadrant shaped disc? $\left(\pi=\frac{22}{7}\right)$

16) Find the length of the rope by which a cow must be tethered in order that it may be able to graze an area of 9856 sq.m $\left(\text{use } \pi=\frac{22}{7}\right)$

17) Write each of the following as decimals:
i) Four hudred four and five hundredths ii) Two and twenty five thousandths.

18) Represent the following decimal numbers on the number line. (i) 0.3 (ii) 3.5

19) A floor is 10m long and 8m wide. A carpet of size 7m long and 5m wide is laid on the floor. Find the area of the floor that is not covered by the carpet.

IV. Answer any one of the following: **1×5=5**

20) i) Draw a triangle XYZ given that XY = 6 cm, YZ = 5.5 cm and ZX = 5 cm. **(OR)** ii)Construct a triangle ABC given that AB = 7 cm, AC = 6.5 cm and $\angle A = 120^{\circ}$.

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