Class : 7

SECOND MID TERM TEST - 2024
MATHEMATICS
YouTube/ Akwa Academy

PART - I

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

I. Choose the correct Answer.   10x1=10

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

    (a) tenths   (b) hundredths   (c) thousands   (d) thousandths

2. A cricket pitch is about 264 cm wide. It is equal to -------- m.

    (a) 26.4   (b) 2.64   (c) 0.264   (d) 0.0264

3. The simple form of 0.35 is

    (a) $\frac{35}{1000}$ (b) $\frac{35}{10}$ (c) $\frac{7}{20}$ (d) $\frac{7}{100}$

4. If the circumference of a circle is 82π, then the value of 'r' is

    (a) 41 cm   (b) 82 cm   (c) 21 cm   (d) 20 cm

5. 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

6. A cricket pitch is about 264 cm wide. It is equal to -------- m.

    (a) 26.4   (b) 2.64   (c) 0.264   (d) 0.0264

7. Between which two whole numbers 1.7 lie?

    (a) 2 and 3   (b) 3 and 4   (c) 1 and 2   (d) 1 and 7

8. Formula used to find the Area of a circle is

    (a) $2\pi r$ units   (b) $\pi r^2 + 2r$ units   (c) πr^2 sq. units   (d) πr^3 cu. units

9. The formula to find the width of the circular path is

    a) (L - l) units   b) (B - b) units   c) (R - r) units   d) (r - R) units

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10. If two plane figures are congruent then they have

    a) Same size   b) Same shape

    c) same angle   d) Same shape and same size

PART - II

II. Answer any 4 of the following. (Q. No. 16 is compulsory):   4x2=8

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

12. Write the following as decimal numbers.

$$3 + \frac{8}{10} + \frac{4}{100} + \frac{5}{1000}$$

13. Compare the decimal numbers 5.05 and 5.50. Find out the smaller number.

14. What is the circumference to the circular disc of radius 14 cm?

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

16. Find the area of a hula loop whose diameter is 28 cm.

PART - III

III. Answer any 4 of the following. (Q. No. 22 is compulsory):   4x3=12

17. Express the decimal number 263.2$\underline{7}$1 in place value grid and write the place value of the

    underlined digit.

18. Express the following as Fractions.

    i)   A capsule contains 0.85 mg of medicine.

    ii)   A juice container has 4.5 liters of mango Juice.

19. Arrange the following in ascending order: 123.45, 123.54, 125.43, 125.34, 125.3

20. The diameter of the bullock cart wheel is 1.4 m. Find the distance covered by it in 150 rotations?

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

22. The circumference of a circular park is 352 m. Find the area of the park.

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