

25/11/2024.

SMS

SECOND MID TERM TEST - 2024**7 - Std****MATHS**

Time : 1.30 Hrs

K. Kirubasari Marks : 30

I Choose the correct answer.

5 X 1 = 5

1. A cricket pitch is about 264 cm wide. It is equal to metre.
i) 26.4 ii) 2.64 iii) 0.264 iv) 0.0264
2. $37.70 \square 37.7$
i) $>$ ii) $<$ iii) $>$ iv) \neq
3. In the formula $C = 2\pi r 'r'$ refers to
i) circumference ii) area iii) rotation iv) radius
4. The exponential form of 72 is
i) 7^2 ii) 2^7 iii) $2^2 \times 3^2$ iv) $2^3 \times 3^2$
5. How many zeros are there in 100^{10} ?
i) 2 ii) 3 iii) 10 iv) 20

II Fill in the blanks.

4 x 1 = 4

6. The simplest form of 0.35 is
7. Area of a circle is sq.units.
8. 1 metre = cm.
9. The power rule of exponents $(a^m)^n = \dots\dots\dots$

III Say true or false.

4 x 1 = 4

10. The area of a circular path is $\pi (R^2 - r^2)$ sq.units.
11. The circumference of a circle $2\pi r$ units.
12. The product rule $a^m \times a^n = a^{m+n}$.
13. The degree of the expression $-4x^2yz$ is -4.

IV Answer any three questions.

3 x 2 = 6

14. Write the fraction $\frac{9}{1000}$ as decimals.
15. The height of a person is 165cm. Express the height in metric.
16. The diameter of a circular well is 4.2m. What is its circumference.
17. Find the value of $(-4)^3$.

V Answer any two questions.

2 x 3 = 6

18. Arrange the following in ascending order. 123.45, 123.54, 125.43, 125.34, 125.3
19. Write the following a decimal number $20 + 1 + \frac{2}{10} + \frac{3}{100} + \frac{7}{1000}$.
20. Simplify : $3^3 \times 3^2 \times 3^4$.

VI Answer any one of the questions.

1 x 5 = 5

21. Construct an equilateral triangle XYZ of side 7.5cm. (OR)
Construct a triangle ABC with BC = 8 cm, AC = 6 cm and $\angle C = 40^\circ$.