

V7M

Virudhunagar District

Common Second Mid Term Test - 2024



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Standard 7

MATHS

Time: 1.30 Hrs.

Marks: 30

I. Choose the best answer:**4×1=4**

- 1) 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
- 2) Between which two whole numbers 1.7 lie?
 a) 2 and 3 b) 3 and 4 c) 1 and 2 d) 1 and 7
- 3) $2^{40} + 2^{40}$ is equal to
 a) 4^{40} b) 2^{80} c) 2^{41} d) 4^{80}
- 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

II. Fill in the blanks:**3×1=3**

- 5) Circumference of a circle _____.
- 6) Area of the circle _____.
- 7) Area of the rectangular path _____.

III. Say True or False:**3×1=3**

- 8) The simplest form of 0.35 is $\frac{35}{10}$.
- 9) The place value of 3 in 85.073 is tenths.
- 10) $2^0 = (1000)^0$

IV. Answer any four questions:**4×2=8**

- 11) 263.271 express this decimal number in place value grid and write the place value of the underlined digit.
- 12) Find the decimal form: $23 + \frac{6}{10} + \frac{8}{1000}$
- 13) Find the area of the circle of radius 21 cm. (use $\pi = 3.14$)
- 14) The diameter of the bullock cart wheel is 1.4m. Find the distance covered by it in 150 rotations?
- 15) Simplify using power rule of exponents: $(2^6)^2 \times (2^4)^7$
- 16) Express 729 in exponential form.

V. Answer any four questions:**4×3=12**

- 17) Express the following as fractions:
 - i) A capsule contain 0.85 mg of medicine.
 - ii) A juice container has 4.5 litres of mango juice.
- 18) Arrange the given decimal number in ascending and descending order.
 17.35, 71.53, 51.73, 73.51, 37.51
- 19) Kannan divides a circular disc of radius 14 cm into four equal parts. What is the perimeter of a quadrant shaped disc. (use $\pi = \frac{22}{7}$)
- 20) 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 (use $\pi = \frac{22}{7}$)
- 21) Identify the greater number in each of the following 5^3 or 3^5 .
- 22) Find the value of the following:
 (i) $(-4)^2$ (ii) $(-2)^3 \times (-10)^3$