



Q 1 Fill In the Blanks with Appropriate Choice from the Given Options

- 1) Volume of cylinder with radius 'r' and height 'h' is _____
(a) $\pi r^2 h$ (b) πr^2 (c) $2\pi r h$ (d) $2\pi r^2 h$
- 2) Area of rectangle with length 250 cm and width 80 cm is _____ sq.m.
(a) 20000 (b) 2 (c) 200 (d) 20
- 3) If diameter of a circle is 14 cm then area of circle is _____ sq. cm.
(a) 28π (b) 14π (c) 196π (d) 496π
- 4) The area of a circle made from 4π cm. long wire is _____.
(a) π (b) 4π (c) 2π (d) 3π
- 5) Volume of a cone whose radius is 4 m. and height is 12m.is _____ m³.
(a) 192π (b) 48π (c) 64π (d) 74π
- 6) Surface area of a cube of 5cm. length is _____ cm².
(a) 25 (b) 125 (c) 100 (d) 150
- 7) The surface area of the cube with side 5.3cm is _____
(a) 168.5 cm^3 (b) 28.9 cm^3 (c) 168.5 cm^3 (d) 28.09 cm^3
- 8) The area of a circle with circumference 176 cm is _____
(a) 28 cm^2 (b) 2464 cm^2 (c) 88 cm^2 (d) 2464 cm^2
- 9) Area of the sector of the circle is _____
(a) $\frac{\pi r^2 \theta}{360}$ (b) πr^2 (c) $\pi r^2 \theta$ (d) $\pi(r_1^2 - r_2^2)$
- 10) If the longest chord of a circle is 28 cm. then its circumference = _____ cm.
(a) 14π (b) 56π (c) 28π (d) 7π
- 11) If Diameter of a semi sphere is 6 cm. then its Volume = _____ cm³
(a) 3π (b) 6π (c) 9π (d) 18π
- 12) The area of rhombus whose diagonals are 30cm and 15 cm is _____ cm²
(a) 450 (b) 225 (c) 900 (d) 500
- 13) The area of circle made from 8π cm long wire is _____ cm²
(a) 4π (b) 8π (c) 16π (d) 12π
- 14) 1 Sq. meter = _____ Sq. centimetre
(a) 100 (b) 1000 (c) 10000 (d) $\frac{1}{100}$
- 15) Area of a square having perimeter 2m is _____ 2 cm
(a) 1000 (b) 2000 (c) 2500 (d) 5000

Q-2 Solve the problems

- 1) A circle is made from 176 cm long wire. Find the area of circle.
- 2) Two hemisphere of radius 5 cm are attached at the end of cylinder of same radius. If height of cylinder is 16 cm then find the surface area of shape

- 3) Find the diameter of sphere If the total surface area of a closed Hemi- sphere is 462 m^2
- 4) How many balls of 2 cm, radius can be made from cube of length 44 cm
- 5) Find area of the triangle with sides $a = 8\text{cm}$, $b = 10\text{cm}$ and $c = 6 \text{ cm}$.
- 6) If the surface area of sphere is 2826cm^2 then find its radius(take $\pi=3.14$)
- 7) Find the curved surface area of a cylinder having radius 3.5cm and height 21 cm .
- 8) How much milk can be contained in a cylindrical tank of 1.4 m . radius & 3 m . Height?