

Duration: 15 Mins

Total Marks: 10

Q.ID: ITISKILL64297A

1. What is the area of a sector of a circle of radius 5 cm and its angle is 96 Degree?

- A) 20.98 cm² B) 20.93 cm²
C) 20.39 cm² D) 20.89 cm²

Answer: B) 20.93 cm²

2. What is the area of an ellipse if the major and minor axes are 5 cm and 3 cm respectively?

- A) 47 cm² B) 57 cm²
C) 27 cm² D) 37 cm²

Answer: A) 47 cm²

3. What is the formula for finding volume of a hollow cylinder having outer radius 'R' inner radius 'r' and height 'h'?

- A) $\frac{4}{3} \pi (R^2 - r^2)h$ B) $\frac{2}{3} \pi (R^2 - r^2)h$
C) $\frac{\pi}{3} (R^2 - r^2)h$ D) $\pi (R^2 - r^2)h$

Answer: D) $\pi (R^2 - r^2)h$

4. Find the total surface area of a cast iron bar whose length, width and height are 20m, 15m and 12m.

- A) 1440 m² B) 1640 m²
C) 1540 m² D) 1340 m²

Answer: A) 1440 m²

5. What is the total surface area of a cylinder having radius 2 metres and height 5 metres?

- A) 92 sq.metre B) 90 sq.metre
C) 86 sq.metre D) 88 sq.metre

Answer: D) 88 sq.metre

6. What is the volume of a rectangular tank of 30 m length, 20m width and 10m height?

- A) 6000 m³ B) 6100 m³
C) 6200 m³ D) 5900 m³

Answer: A) 6000 m³

7. What is the area of a square whose side is 18 cm?

- A) 26 cm² B) 36 cm²
C) 72 cm² D) 324 cm²

Answer: D) 324 cm²

8. What is the diagonal of a square plate whose side is 28 cm?

- A) 39.49 cm B) 39.39 cm
C) 39.59 cm D) 39.29 cm

Answer: C) 39.59 cm

9. What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

- A) 56 cm B) 86 mm
C) 66 cm D) 76 cm

Answer: D) 76 cm

10. Find the curved surface area of a cylinder 10 cm dia and 20 cm height?

- A) 628 cm² B) 630 cm²
C) 638 cm² D) 620 cm²

Answer: A) 628 cm²