

May 2026

GOVT ITI PERDOOR

Question Paper

Duration: 15 Mins

Total Marks: 10

ID: ITISKILL64297A

Student Name: _____ Roll No: _____

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

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

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

- A) 47 cm^2 B) 37 cm^2
C) 57 cm^2 D) 27 cm^2

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

- A) 324 cm^2 B) 72 cm^2
C) 26 cm^2 D) 36 cm^2

4. 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) 88 sq.metre D) 86 sq.metre

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

- A) 6100 m^3 B) 6000 m^3
C) 6200 m^3 D) 5900 m^3

6. What is the area of a sector of a circle of radius 5 cm and

its angle is 96 Degree?

- A) 20.89 cm^2 B) 20.93 cm^2
C) 20.98 cm^2 D) 20.39 cm^2

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

- A) 620 cm^2 B) 630 cm^2
C) 638 cm^2 D) 628 cm^2

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

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

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

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

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

- A) 1540 m^2 B) 1640 m^2
C) 1340 m^2 D) 1440 m^2