

Duration: 60 Mins**Total Marks: 10****ID: ITISKILL4750XE**

Student Name: _____

Roll No: _____

1. 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) 27 cm^2 D) 57 cm^2

2. 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) 1340 m^2
C) 1640 m^2 D) 1440 m^2

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

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

4. What is the cross sectional area of a circular ring of $D = 38 \text{ mm}$ $d = 32 \text{ mm}$?

- A) 330 mm^2 B) 320 mm^2
C) 340 mm^2 D) 350 mm^2

5. What is the area of a rectangle, whose length and breadth are 10cm and 8cm respectively?

- A) 80 cm^2 B) 85 cm^2
C) 90 cm^2 D) 75 cm^2

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

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

7. What is the area of a right angled triangle having a base 10 cm and height 5 cm?

- A) 30 sq.cm B) 35 sq.cm
C) 25 sq.cm D) 20 sq.cm

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

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

9. Find the total surface area of cube whose side is 25 cm.

- A) 3750 cm^2 B) 3755 cm^2
C) 3740 cm^2 D) 3745 cm^2

10. What is the side of a square whose area is 625 mm^2 ?

- A) 25 mm B) 15 mm
C) 20 mm D) 30 mm