

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

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

- A)  $75 \text{ cm}^2$       B)  $80 \text{ cm}^2$   
 C)  $85 \text{ cm}^2$       D)  $90 \text{ cm}^2$

**Answer: B)  $80 \text{ cm}^2$**

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

- A)  $20.98 \text{ cm}^2$       B)  $20.89 \text{ cm}^2$   
 C)  $20.93 \text{ cm}^2$       D)  $20.39 \text{ cm}^2$

**Answer: C)  $20.93 \text{ cm}^2$**

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

- A)  $1540 \text{ m}^2$       B)  $1640 \text{ m}^2$   
 C)  $1340 \text{ m}^2$       D)  $1440 \text{ m}^2$

**Answer: D)  $1440 \text{ m}^2$**

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

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

**Answer: C) 76 cm**

5. What is the side of a square whose area is  $625 \text{ mm}^2$ ?

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

**Answer: A) 25 mm**

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

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

**Answer: D) 25 sq.cm**

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

- A)  $37 \text{ cm}^2$       B)  $27 \text{ cm}^2$   
 C)  $57 \text{ cm}^2$       D)  $47 \text{ cm}^2$

**Answer: D)  $47 \text{ cm}^2$**

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

- A)  $320 \text{ mm}^2$       B)  $330 \text{ mm}^2$   
 C)  $350 \text{ mm}^2$       D)  $340 \text{ mm}^2$

**Answer: B)  $330 \text{ mm}^2$**

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

- A)  $3750 \text{ cm}^2$       B)  $3755 \text{ cm}^2$   
 C)  $3740 \text{ cm}^2$       D)  $3745 \text{ cm}^2$

**Answer: A)  $3750 \text{ cm}^2$**

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

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

**Answer: C) 39.59 cm**