

**Student: Bharath****Score: 3/10 (30.00%)****Code: 5765**

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

- A) 39.29 cm (Incorrect)      B) 39.39 cm  
C) 39.49 cm                      D) **39.59 cm**

2. What is the side of a square whose area is 625 mm<sup>2</sup>?

- A) 15 mm                              B) 20 mm  
**C) 25 mm (Correct)**              D) 30 mm

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

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

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

- A) 75 cm<sup>2</sup>                              B) **80 cm<sup>2</sup>**  
C) 85 cm<sup>2</sup> (Incorrect)              D) 90 cm<sup>2</sup>

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

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

6. What is the cross sectional area of a circular ring of D = 38

mm d = 32mm?

- A) 320 mm<sup>2</sup>                              B) **330 mm<sup>2</sup> (Correct)**  
C) 340 mm<sup>2</sup>                              D) 350 mm<sup>2</sup>

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

- A) 20.39 cm<sup>2</sup>                              B) **20.93 cm<sup>2</sup>**  
C) 20.89 cm<sup>2</sup> (Incorrect)              D) 20.98 cm<sup>2</sup>

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

- A) 27 cm<sup>2</sup>                              B) 37 cm<sup>2</sup> (Incorrect)  
**C) 47 cm<sup>2</sup>**                              D) 57 cm<sup>2</sup>

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

- A) 3740 cm<sup>2</sup> (Incorrect)              B) 3745 cm<sup>2</sup>  
**C) 3750 cm<sup>2</sup>**                              D) 3755 cm<sup>2</sup>

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

- A) 1340 m<sup>2</sup>                              B) **1440 m<sup>2</sup>**  
C) 1540 m<sup>2</sup> (Incorrect)              D) 1640 m<sup>2</sup>