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

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

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  
**C) 76 cm (Correct)**              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>                      D) 90 cm<sup>2</sup>  
(Incorrect)

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

- A) 20 sq.cm (Incorrect)      **B) 25 sq.cm**  
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>**  
**(Correct)**  
C) 20.89 cm<sup>2</sup>                      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>  
**C) 47 cm<sup>2</sup>**  
**(Correct)**                          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>                      B) 3745 cm<sup>2</sup>  
**C) 3750 cm<sup>2</sup>**  
**(Correct)**                      D) 3755 cm<sup>2</sup>  
(Incorrect)

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>**  
**(Correct)**  
C) 1540 m<sup>2</sup>                      D) 1640 m<sup>2</sup>