

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL4124DU

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

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

Answer: C) 324 cm^2

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

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

Answer: C) 80 cm^2

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

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

Answer: A) 1440 m^2

4. What is the area of an equilateral triangle of side 450 mm?

- A) 866.82 cm^2 B) 876.82 cm^2
 C) 856.82 cm^2 D) 886.82 cm^2

Answer: B) 876.82 cm^2

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

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

Answer: A) 76 cm

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

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

Answer: A) 39.59 cm

7. What is the capacity of a conical tank of radius 2 m and height 5m?

- A) 41 m^3 B) 31 m^3
 C) 21 m^3 D) 11 m^3

Answer: C) 21 m^3

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

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

Answer: A) 3750 cm^2

9. What is the area of a circle of diameter 50 cm?

- A) 1952.5 cm^2 B) 1962.5 cm^2
 C) 1932.5 cm^2 D) 1942.5 cm^2

Answer: B) 1962.5 cm^2

10. What is the formula for total surface area of a cylinder?

- A) $\pi r (h + r)$ B) $2\pi r (h + r)$
 C) $2\pi rh$ D) πrh

Answer: B) $2\pi r (h + r)$

11. What is the perimeter of scalene. Triangle having sides of 40mm, 20mm and 28mm?

- A) 88 mm B) 78 mm
 C) 98 mm D) 68 mm

Answer: A) 88 mm

12. What is the area of a (A) semicircle whose dia is 20 cm (d)?

- A) 167.1 cm^2 B) 147.1 cm^2
 C) 157.1 cm^2 D) 177.1 cm^2

Answer: C) 157.1 cm^2

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

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

Answer: B) 628 cm^2

14. What is the total surface area of a cylinder having radius 2 metres and height 5 metres?

- A) 88 sq.metre B) 86 sq.metre
 C) 92 sq.metre D) 90 sq.metre

Answer: A) 88 sq.metre

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

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

Answer: B) 25 mm

16. How many liters of water a cylindrical tank of radius 75 cm and height 100 cm can hold?

A) 1768.25 liters

B) 1767.25 liters

C) 1769.25 liters

D) 1766.25 liters

Answer: D) 1766.25 liters

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

A) 27 cm^2

B) 37 cm^2

C) 47 cm^2

D) 57 cm^2

Answer: C) 47 cm^2

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

A) 320 mm^2

B) 350 mm^2

C) 340 mm^2

D) 330 mm^2

Answer: D) 330 mm^2

19. What is the volume of sphere of radius 7 cm?

A) 1346 cm^3

B) 1463 cm^3

C) 1636 cm^3

D) 1436 cm^3

Answer: D) 1436 cm^3

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

A) 35 sq.cm

B) 20 sq.cm

C) 30 sq.cm

D) 25 sq.cm

Answer: D) 25 sq.cm