

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL8687FK

1. What is the volume of a rectangular tank of 30 m length, 20m width and 10m height?

- A) 6100 m³ B) 5900 m³
C) 6000 m³ D) 6200 m³

Answer: C) 6000 m³

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

- A) 167.1 cm² B) 157.1 cm²
C) 177.1 cm² D) 147.1 cm²

Answer: B) 157.1 cm²

3. 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

Answer: D) 39.59 cm

4. What is volume of the cylinder whose radius is 7 cm and height 12 cm?

- A) 1842 c.c B) 1847 c.c
C) 1846 c.c D) 1844 c.c

Answer: B) 1847 c.c

5. What is the acceleration of a car if the speed of the car has increased from 25 km per hour to 40 km per hour in one minute?

- A) 0.59 m/sec² B) 0.069 m/sec²
C) 0.69 m/sec² D) 0.059 m/sec²

Answer: B) 0.069 m/sec²

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

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

Answer: C) 88 mm

7. What is the side of a square whose area is 625 mm²?

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

Answer: C) 25 mm

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

- A) 75 cm² B) 85 cm²
C) 90 cm² D) 80 cm²

Answer: D) 80 cm²

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

- A) 21 m³ B) 41 m³
C) 11 m³ D) 31 m³

Answer: A) 21 m³

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

- A) 1640 m² B) 1340 m²
C) 1440 m² D) 1540 m²

Answer: C) 1440 m²

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

- A) 1769.25 liters B) 1766.25 liters
C) 1768.25 liters D) 1767.25 liters

Answer: B) 1766.25 liters

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

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

Answer: B) 76 cm

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

- A) 20.89 cm² B) 20.98 cm²
C) 20.93 cm² D) 20.39 cm²

Answer: C) 20.93 cm²

14. What is the potential energy in a body of mass 10 kg kept on the top of a pole 20 metres height?

- A) 1942 Joules B) 1962 Joules
C) 1952 Joules D) 1972 Joules

Answer: B) 1962 Joules

15. What is called if a body posses both magnitude and direction of velocity?

- A) Scalar quantity B) Speed
C) Velocity D) Vector quantity

Answer: D) Vector quantity

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

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

Answer: A) 324 cm^2

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

- A) 1463 cm^3 B) 1346 cm^3
C) 1636 cm^3 D) 1436 cm^3

Answer: D) 1436 cm^3

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

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

Answer: B) 876.82 cm^2

19. What is the acceleration of an aeroplane taking off from landing field has to run 700 metres if it leaves the ground in 10 seconds from the start?

- A) 12 B) 8
metre/sec² metre/sec²
C) 14 D) 10
metre/sec² metre/sec²

Answer: A) 12 metre/sec^2

20. What is the cross sectional area of a circular ring of D = 38 mm d = 32mm?

- A) 350 mm^2 B) 320 mm^2

- C) 330 mm^2 D) 340 mm^2

Answer: C) 330 mm^2

21. What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?

- A) 3750 Joules B) 3720 Joules
C) 3740 Joules D) 3730 Joules

Answer: A) 3750 Joules

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

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

Answer: B) 25 sq.cm

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

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

Answer: D) 1962.5 cm^2

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

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

Answer: B) 628 cm^2

25. What is the ratio of power output to power input?

- A) Efficiency B) Work
C) Acceleration D) Energy

Answer: A) Efficiency