

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL3516MN

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

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

Answer: C) 39.59 cm

2. What is the density of aluminium?

- A) 4.7 g/cm³ B) 2.7 g/cm³
C) 3.7 g/cm³ D) 5.7 g/cm³

Answer: B) 2.7 g/cm³

3. Which metal contains iron as a major content?

- A) Zinc B) Brass metal
C) Bronze metal D) Ferrous metal

Answer: D) Ferrous metal

4. What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?

- A) 11 ohms B) 17 ohms
C) 7 ohm D) 1/17 ohms

Answer: B) 17 ohms

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

- A) 1942.5 cm² B) 1952.5 cm²
C) 1962.5 cm² D) 1932.5 cm²

Answer: C) 1962.5 cm²

6. How many millimetres are there in 1 inch?

- A) 24.5 mm B) 25.4 mm
C) 2.54 mm D) 2.45 mm

Answer: B) 25.4 mm

7. What is the LCM of 12, 18, 6, 36?

- A) 36 B) 42
C) 18 D) 12

Answer: A) 36

8. What is the unit of speed?

- A) Metre/second B) Metre/second²
C) Metre/minute D) Metre/hour

Answer: A) Metre/second

9. What is the mass if the density of a body is 7.6 g/cm³ and its volume is 25 cm³?

- A) 190 grams B) 210 grams
C) 200 grams D) 220 grams

Answer: A) 190 grams

10. What are fundamental units?

- A) Length, Pressure, Volume B) Length, Mass, Time
C) Length, Mass, Volume D) Length, Mass, Area

Answer: B) Length, Mass, Time

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

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

Answer: D) 80 cm²

12. What percentage of 80 is 20?

- A) 0.2 B) 0.25
C) 0.4 D) 0.8

Answer: B) 0.25

13. What is the ratio of 4 kg to 800 grams?

- A) 04:08 B) 05:01
C) 02:04 D) 08:04

Answer: B) 05:01

14. Convert 0.456 decimal fraction into percentage?

- A) 45.6 B) 0.000456
C) 0.456 D) 0.0456

Answer: A) 45.6

15. What is the square root of 529?

- A) 33 B) 23
C) 43 D) 12

Answer: B) 23

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

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

Answer: A) 157.1 cm²

17. What is the x value for $x^2 + 62 = 126$?

- A) 4
- B) 10
- C) 8
- D) 6

Answer: C) 8

18. Simplify: $(\frac{3}{4}) + (\frac{2}{5}) - (\frac{5}{20})$

- A) $(\frac{13}{10})$
- B) $(\frac{12}{10})$
- C) $(\frac{9}{10})$
- D) $(\frac{3}{10})$

Answer: C) $(\frac{9}{10})$

19. Divide $(\frac{20}{31}) / (\frac{15}{62})$

- A) $2\frac{4}{3}$
- B) $2\frac{1}{3}$
- C) $2\frac{3}{2}$
- D) $2\frac{2}{3}$

Answer: D) $2\frac{2}{3}$

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

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

Answer: D) 88 mm
