

April 2026

GOVT ITI PERDOOR

Answer Key

Duration: 20 Mins

Total Marks: 10

Q.ID: ITISKILL4186BT

1. What is the density of aluminium?

- A) 5.7 g/cm^3 B) 2.7 g/cm^3
C) 3.7 g/cm^3 D) 4.7 g/cm^3

Answer: B) 2.7 g/cm^3

2. What is called the ratio between the density of a substance and density of water at 4 Degree Centigrade?

- A) Mass B) Weight
C) Density D) Specific gravity

Answer: D) Specific gravity

3. What is the mass if the density of a body is 7.6 g/cm^3 and its volume is 25 cm^3 ?

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

Answer: A) 190 grams

4. What is the density (ρ) in g/cm^3 of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm^3 ?

- A) 7.5 g/cm^3 B) 6.9 g/cm^3
C) 7.2 g/cm^3 D) 6.6 g/cm^3

Answer: A) 7.5 g/cm^3

5. What is called mass per unit volume of a substance?

- A) Density B) Volume
C) Mass D) Weight

Answer: A) Density

6. What is termed as the quantity of matter contained in a

body?

- A) Density B) Specific gravity
C) Volume D) Mass

Answer: D) Mass

7. What is the volume (V) of mercury in cm^3 , if mass (m) of mercury is 1 kg and density (ρ) is 13.6 g/cm^3 ?

- A) 73.43 cm^3 B) 73.23 cm^3
C) 73.33 cm^3 D) 73.53 cm^3

Answer: D) 73.53 cm^3

8. What is the force with which a body is attracted by the earth towards its centre?

- A) Mass B) Weight
C) Density D) Volume

Answer: B) Weight

9. What is the specific gravity of the solid, if density of the solid is 19.5 g/cm^3 ?

- A) 8 B) 19.5
C) 19 D) 18.5

Answer: B) 19.5

10. What is the mass in gram, if a force of 15 dynes acting on a mass m producing an acceleration of 2.5 cm/sec^2 ?

- A) 8 grams B) 6 grams
C) 7 grams D) 9 grams

Answer: B) 6 grams