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Score: 3/10 (30.00%)

Code: 0508

1. What is termed as the quantity of matter contained in a body?

- A) Density
B) Volume
C) **Mass (Correct)**
D) Specific gravity

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

- A) Mass
B) **Weight (Correct)**
C) Volume
D) Density

3. What is called mass per unit volume of a substances?

- A) Mass
B) Weight (Incorrect)
C) **Density**
D) Volume

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

- A) Density (Incorrect)
B) **Specific gravity**
C) Mass
D) Weight

5. What is the density of aluminium?

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

6. Wha is the mass if the density of a body is 7.6

g/cm³ and its volume is 25 cm³?

- A) **190 grams (Correct)**
B) 200 grams
C) 210 grams
D) 220 grams

7. What is the specific gravity of the solid, if density of the solid is 19.5 g/cm³?

- A) 8
B) 18.5
C) 19 (Incorrect)
D) **19.5**

8. What is the density (r) in g/cm³ of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm³?

- A) 6.6 g/cm³
B) 6.9 g/cm³
C) 7.2 g/cm³ (Incorrect)
D) **7.5 g/cm³**

9. What is the volume (V) of mercury in cm³, if mass (m) of mercury is 1 kg and density (r) is 13.6 g/cm³?

- A) **73.53 cm³**
B) 73.43 cm³ (Incorrect)
C) 73.33 cm³
D) 73.23 cm³

10. What is the mass in gram, if a force of 15 dyres acting on a mass m producing an acceleration of 2.5 cm/sec²?

- A) 9 grams
B) 8 grams
C) 7 grams (Incorrect)
D) **6 grams**