

Student: Roshan

Score: 10/10 (100.00%)

Code: 5730

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  
C) **Density (Correct)**  
D) Volume

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

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

5. What is the density of aluminium?

- A) **2.7 g/cm<sup>3</sup> (Correct)**  
B) 3.7 g/cm<sup>3</sup>  
C) 4.7 g/cm<sup>3</sup>  
D) 5.7 g/cm<sup>3</sup>

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

g/cm<sup>3</sup> and its volume is 25 cm<sup>3</sup>?

- 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/cm<sup>3</sup>?

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

8. What is the density (r) in g/cm<sup>3</sup> of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm<sup>3</sup>?

- A) 6.6 g/cm<sup>3</sup>  
B) 6.9 g/cm<sup>3</sup>  
C) 7.2 g/cm<sup>3</sup>  
D) **7.5 g/cm<sup>3</sup> (Correct)**

9. What is the volume (V) of mercury in cm<sup>3</sup>, if mass (m) of mercury is 1 kg and density (r) is 13.6 g/cm<sup>3</sup>?

- A) **73.53 cm<sup>3</sup> (Correct)**  
B) 73.43 cm<sup>3</sup>  
C) 73.33 cm<sup>3</sup>  
D) 73.23 cm<sup>3</sup>

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/sec<sup>2</sup>?

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