

Student: Prajwal
Score: 7/10 (70.00%)

Code: 9975

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

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

5. What is the density of aluminium?

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

6. Wha 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 (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^3 ?

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

8. 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) 6.6 g/cm^3 B) 6.9 g/cm^3
C) 7.2 g/cm^3 D) 7.5 g/cm^3 (Correct)

9. 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) 73.53 cm^3 (Correct) B) 73.43 cm^3
C) 73.33 cm^3 D) 73.23 cm^3

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^2 ?

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