

Student Name: _____	Roll No: _____
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1. What is the block weighs (W) in kg, if volume (V) is 320 cm³ and density 8.9 g/cm³?

- A) 2.648 kg B) 2.448
C) 2.948 kg D) 2.848 kg

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

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

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

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

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

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

5. What is the weight force of a car has a mass of 800 kg?(Take g = 9.81m/sec)

- A) 7487 Newton B) 7848 Newton
C) 7748 Newton D) 7847 Newton

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

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

7. What is the specific gravity of the metal, if the weighs 6.5 kgf in air and 3.5 kgf in water?

- A) 1.166 B) 3.166
C) 2.166 D) 6.166

8. What is the specific gravity of the metal, if the piece of metal weighs 150 grams in air and 125 grams in water?

- A) 25 B) 15

- C) 6 D) 10

9. What is the density of aluminium?

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

10. 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) 7.2 g/cm³ B) 6.6 g/cm³
C) 7.5 g/cm³ D) 6.9 g/cm³

11. What is the volume of mercury in cm³, if the mass (m) of mercury is 136 grams (g) and density (r) of mercury is 13.6 g/cm³?

- A) 10.6 cm³ B) 10.0 cm³
C) 13.6 cm³ D) 136 cm³

12. 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) 7 grams B) 9 grams
C) 8 grams D) 6 grams

13. 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) 73.33 cm³ B) 73.23 cm³
C) 73.53 cm³ D) 73.43 cm³

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

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

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

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