ITI Quiz - 06-Mar-2026 11:55 AM

Q. ID: ITISKILL5642MA

March 2026 | **Iti** | Question Paper

Duration: 30 Mins | **Total Marks: 15** | **ID: ITISKILL5642MA**

Student Name: _____ Roll No: _____

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

A) 6 B) 25
C) 10 D) 15

2. What is the density of aluminium?

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

3. 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

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

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

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

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

6. What is the block weighs (W) in kg, if volume (V) is 320 cm3 and density 8.9 g/cm³?

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

7. 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) 73.23 cm³ B) 73.43 cm³
C) 73.53 cm³ D) 73.33 cm³

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

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

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

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

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

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

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

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

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

13. What is the density (r) in g/cm3 of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm,³?

A) 6.9 g/cm³ B) 7.2 g/cm³
C) 7.5 g/cm³ D) 6.6 g/cm³

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

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

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

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