

1. Titanium has density of 4500 Kg/m³ so the volume of 200 g of titanium is

- a. 22.2 cm³ b. 44.4 cm³ c. 22.2 cm³ d. 44.4 cm³

2. A liquid of density (), if the temperature increase so the density

- a. inc b. dec c. unchanged

3. The ratio between the normal systolic and diastolic pressures is

- a. 1 b. 1/2 c. 2/3 d. 3/2

4. A force of 15 N acted a surface of area 3 mm² So the pressure acting on the surface if the force makes angle 60 with the normal to the surface is N/m²

- a. 2.5×10^6 b. 4330127 c. 2.5

5. The measuring unit for pressure is

- a. Kg/m.s b. Kg/m.s² c. J/m² d. N/m³

6-Horizontal force of 10N acting on surface area of 2m² the pressure will be

(zero ,5 ,0.005) N

7-Two liquids water and oil having same mass ,volume of water is 4 litres and volume of oil is 8 cm³ then specific gravity is

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8-gold copper alloy of mass 200 gm ,density of copper is 1.2 gm/cm³ ,density of gold is 1.5 gm/cm³ find mass of gold

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9-cuboid of density 2gm/cm³ and dimensions (10,5,6)cm ,find position which gives pressure maximum.

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