

(Objective)

(Group-I)

Note

Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1.1 Least count of screw gauge is

- (A) 0.01 cm (B) 0.1 cm
(C) 0.001 cm (D) 0.0001 cm

2 SI unit of force is

- (A) Pascal (B) Newton
(C) Kilogram (D) Ampere

3 A satellite revolving around very close to the earth has speed nearly

- (A) 8 kmh⁻¹ (B) 18 kmh⁻¹
(C) 8 kms⁻¹ (D) 8 kms⁻²

4 SI unit of electric current is

- (A) second (B) ampere
(C) mole (D) meter

5 The motion of a body around its own axis is called

- (A) circular motion (B) rotatory motion
(C) vibratory motion (D) random motion

6 Conditions of equilibrium are

- (A) 4 (B) 6
(C) 2 (D) 3

7 Einstein's mass energy equation is

- (A) $E = mc$ (B) $E = m^2c$
(C) $E = mc^2$ (D) $E = m^2c^2$

8 The material which has large specific heat

- (A) copper (B) ice
(C) water (D) mercury

9 Molecules are closely packed

- (A) in gas (B) in solid
(C) in liquid (D) in plasma

10 SI unit of thermal conductivity is

- (A) Wmk^{-1} (B) $Wm^{-1}k^{-1}$
(C) Wmk (D) $Wm^{-2}k^{-2}$

11 Density = ?

- (A) $\frac{\text{volume}}{\text{mass}}$ (B) volume \times mass
(C) $\frac{\text{mass}}{\text{volume}}$ (D) $\frac{\text{force}}{\text{area}}$

12 SI unit of power is

- (A) kilogram (B) watt
(C) Pascal (D) ampere