

(Group - II)

Note: From impossible 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 The Einstein's mass-energy equation 'C' is the :
 (A) Speed of sound (B) Speed of light
 (C) Speed of electron (D) Speed of earth
- 2 Thermal conductivity of wood is :
 (A) $0.06 \text{ W m}^{-1}\text{K}^{-1}$ (B) $0.07 \text{ W m}^{-1}\text{K}^{-1}$
 (C) $0.08 \text{ W m}^{-1}\text{K}^{-1}$ (D) $0.09 \text{ W m}^{-1}\text{K}^{-1}$
- 3 Law of Inertia is known as :
 (A) First law of motion (B) Second law of motion
 (C) Third law of motion (D) Momentum
- 4 Density of ice is :
 (A) 900 kg m^{-3} (B) 910 kg m^{-3}
 (C) 920 kg m^{-3} (D) 930 kg m^{-3}
- 5 Radiation is the mode of transfer of heat from one place to another in the form of waves is called
 (A) Mechanical waves (B) Transverse waves
 (C) Compressional waves (D) Electromagnetic waves
- 6 One litre is equal to :
 (A) 1 mm^3 (B) 1 cm^3
 (C) 1 dm^3 (D) 1 m^3
- 7 The value of 'g' at a height one earth's radius above the surface of earth is :
 (A) $2 g$ (B) $\frac{1}{2} g$
 (C) $\frac{1}{3} g$ (D) $\frac{1}{4} g$
- 8 Cheetah can run at a speed of:
 (A) 50 km h^{-1} (B) 60 km h^{-1}
 (C) 70 km h^{-1} (D) 80 km h^{-1}
- 9 One horse power is equal to :
 (A) 744 W (B) 745 W
 (C) 746 W (D) 748 W
- 10 Value of $\sin 30^\circ$ is :
 (A) 0 (Zero) (B) $\frac{1}{2}$
 (C) 0.707 (D) 0.866
- 11 Coefficient of friction between tyre and wet road is :
 (A) 0.1 (B) 0.2
 (C) 0.3 (D) 0.4
- 12 Water freezes at:
 (A) 0°F (B) 32°F
 (C) -273 K (D) 0° K