

PHYSICS (Group First) (OBJECTIVE)

Time: 15 Minutes

(New Course 2023 Annual)

Marks: 12

NOTE: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

- 1- Water freezes at: Ch. # 8
 (A) $0^{\circ}F$ (B) $32^{\circ}F$ (C) -273 K (D) 0 K
- 2- In solids, heat is transferred by: Ch. # 9
 (A) Radiation (B) Conduction (C) Convection (D) Absorption
- 3- Thermal conductivity of wood is: Ch. # 9
 (A) $0.08\text{ Wm}^{-1}\text{K}^{-1}$ (B) $0.59\text{ Wm}^{-1}\text{K}^{-1}$ (C) $0.03\text{ Wm}^{-1}\text{K}^{-1}$ (D) $0.8\text{ Wm}^{-1}\text{K}^{-1}$
- 4- A measuring cylinder is used to measure: Ch. # 1
 (A) Mass (B) Area (C) volume (D) level of a liquid
- 5- Least count of Digital Vernier callipers is: Ch. # 1
 (A) 0.1 mm (B) 0.01 mm (C) 0.001 mm (D) 1 mm
- 6- A change in position is called: Ch. # 2
 (A) Speed (B) Velocity (C) Displacement (D) Distance
- 7- Inertia depends upon: Ch. # 3
 (A) Force (B) Net Force (C) Mass (D) Velocity
- 8- Two equal but unlike parallel forces having different line of action produce: Ch. # 4
 (A) Torque (B) A couple
 (C) Equilibrium (D) Neutral equilibrium
- 9- Earth gravitational force of attraction vanishes at: Ch. # 5
 (A) 6400 Km (B) Infinity (C) 42300 Km (D) 1000 Km
- 10- Value of g increases with the: Ch. # 5
 (A) Increase in mass of (B) Increase in altitude
 (C) decrease in altitude (D) None of these
- 11- The work done will be zero when the angle between force and distance is: Ch. # 6
 (A) 45° (B) 60° (C) 90° (D) 180°
- 12- Which of the substance is the lightest one? Ch. # 7
 (A) Copper (B) Mercury (C) Aluminium (D) Lead