

Physics (New Scheme)	Ninth Gujranwala Board 2019	Paper - I
Time: 15 Min.	Objective (Group - II)	Marks : 12

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** The Kinetic energy of a body of mass 2kg is 25J. Its speed is:
 (A) 5 ms^{-1} (B) 12.5 ms^{-1}
 (C) 25 ms^{-1} (D) 50 ms^{-1}
- 2** The S.I unit of force is:
 (A) kilogram (B) watt
 (C) pascal (D) newton
- 3** Co-efficient of volume expansion of aluminium is:
 (A) $4.2 \times 10^{-5} \text{ k}^{-1}$ (B) $2.4 \times 10^{-5} \text{ k}^{-1}$
 (C) $6 \times 10^{-5} \text{ k}^{-1}$ (D) $7.2 \times 10^{-5} \text{ k}^{-1}$
- 4** The S.I unit of energy is:
 (A) Newton (B) Joule
 (C) Watt (D) Pascal
- 5** A ball is thrown vertically upward its velocity at the highest point is:
 (A) -10 ms^{-1} (B) zero
 (C) 10 ms^{-2} (D) 10 ms^{-1}
- 6** The S.I unit of Thermal Conductivity is
 (A) $\text{Jm}^{-1} \text{ k}^{-1}$ (B) $\text{Wm}^{-1} \text{ k}^{-1}$
 (C) $\text{Wm}^{-1} \text{ c}$ (D) $\text{Wm}^{-1} \text{ k}^{-2}$
- 7** The orbital speed of a low orbit satellite is:
 (A) Zero (B) 8 ms^{-1}
 (C) 800 ms^{-1} (D) 8000 ms^{-1}
- 8** The S.I unit of density is:
 (A) kg m^{-1} (B) kg m^{-2}
 (C) kg m^{-3} (D) kg m^{-4}
- 9** An interval of $200 \mu\text{s}$ is equivalent to:
 (A) 0.2 s (B) 0.02 s
 (C) $2 \times 10^{-4} \text{ s}$ (D) $2 \times 10^{-6} \text{ s}$
- 10** Rate of change of momentum is equal to:
 (A) force (B) torque
 (C) work (D) distance
- 11** The number of forces that can be added by head to tail rule is:
 (A) 2 (B) 3
 (C) 4 (D) any number
- 12** In gases, heat is mainly transferred by:
 (A) conduction (B) radiation
 (C) convection (D) molecular collision