

Physics (New Scheme)	9th...2018 Gujranwala Board	Paper (Objective Type)
Time: 15 Minutes	(Group-II)	Max 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 Which of the following is the smallest quantity?
 (A) 0.01g (B) 2mg
 (C) 100 μ g (D) 5000 ng
- 2 Value of 'g' at the surface of earth is:
 (A) 7.8 ms^{-2} (B) 12 ms^{-2}
 (C) 10 ms^{-2} (D) 11 ms^{-2}
- 3 SI unit of torque is:
 (A) Ns (B) Nm
 (C) pascal (D) watt
- 4 Momentum is the product of mass and:
 (A) Speed (B) Velocity
 (C) Work (D) Acceleration
- 5 Number of states of equilibrium is:
 (A) 2 (B) 3
 (C) 4 (D) 5
- 6 Earth's gravitational force of attraction vanishes at:
 (A) 6400km (B) Infinity
 (C) 42300km (D) 1000km
- 7 The kinetic energy of a body of mass 2 kg is 25 J. Its speed is:
 (A) 5 ms^{-1} (B) 12.5 ms^{-1}
 (C) 25 ms^{-1} (D) 50 ms^{-1}
- 8 If the velocity of a body becomes double, then its kinetic energy will be:
 (A) remains the same (B) becomes double
 (C) become four times (D) becomes half
- 9 In which of the following state of matter, molecules do not leave their position?
 (A) solid (B) liquid
 (C) gas (D) plasma
- 10 Which of the following effects evaporation?
 (A) temperature (B) surface area of liquid
 (C) air (D) all of these
- 11 The formula for conversion of celsius scale of temperature into kelvin scale is:
 (A) $T(k)=273+C^{\circ}$ (B) $T(k)=373-C^{\circ}$
 (C) $T(k)=273+F^{\circ}$ (D) $T(k)=373+C^{\circ}$
- 12 The relation between co-efficient of volume expansion and co-efficient of linear thermal expansion is:
 (A) $\beta = 2\alpha$ (B) $\alpha = 2\beta$
 (C) $\beta = 3\alpha$ (D) $\beta = 4\alpha$