

Physics	Lahore Board Ninth, 2021	Paper :- I
Time: 15 Min.	Objective Type	Marks : 12
(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 In SI, unit of pressure is Pascal, Which is equal to:

- ☐ A 10^4 Nm^{-2}
☐ B 1 Nm^{-2}
☐ C 10^2 Nm^2
☐ D 10 Nm^2

2 Mass of the earth is:

- ☐ A $6 \times 10^{24} \text{ kg}$
☐ B $6 \times 10^4 \text{ Kg}$
☐ C $6 \times 10^{20} \text{ kg}$
☐ D $6 \times 10^{10} \text{ kg}$

3 The number of perpendicular components of a vector are:

- ☐ A 4
☐ B 5
☐ C 2
☐ D 1

4 In solids, heat is transferred by:

- ☐ A Radiation
☐ B Conduction
☐ C Convection
☐ D Absorption

5 The ways by which transfer of heat takes place are:

- ☐ A 1
☐ B 2
☐ C 3
☐ D 4

6 Which one of the following is the smallest quantity:

- ☐ A 0.01
☐ B 2 mg
☐ C 100 μg
☐ D 5000 ng

7 If the velocity of a body becomes double, then its kinetic energy:

- ☐ A Remains same
☐ B Becomes double
☐ C Becomes four times
☐ D Becomes half

8 A change in position is called:

- ☐ A Torque
☐ B Velocity
☐ C Displacement
☐ D Momentum

9 Which of the following material has largest specific heat:

- ☐ A Copper
☐ B Ice
☐ C Water
☐ D Mercury

10 Earth's gravitational force of attraction vanishes at:

- ☐ A 6400 km
☐ B Infinity
☐ C 42300 km
☐ D 1000 km

11 Inertia depends upon:

- ☐ A Force
☐ B Net force
☐ C Mass
☐ D Velocity

12 Rate of change of momentum is equal to:

- ☐ A Torque
☐ B Force
☐ C Distance
☐ D Velocity