PHYSICS Class 9th	Paper Code	Roll No. of the Student
Time: 20 Minutes Marks: 12	① ● ④	
Multiple Choice Questions 01 Mark for each		Serial No. Of the Answer Book_____

SECTION-A

Note:

1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
2) Fill the circle Ⓐ Ⓑ Ⓒ Ⓓ, which one is correct with blue or black ball point in separate OMR Sheet like ●
3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

I. i. A person ascending on the building and reached at 5th floor,then the value of "g" for this situation will be:

Ⓐ Increasing Ⓑ Decreasing ● Remained same Ⓓ Zero

ii. An object having weight 120 N lifted through an height of 5 m , work done on object is:

Ⓐ 24 J Ⓑ 240 J Ⓒ 60 J Ⓓ 600 J

iii. SI unit of energy is:

Ⓐ newton ● joule Ⓒ watt Ⓓ pascal

iv. The air surrounds us exert force in:

Ⓐ Upward direction only Ⓑ Downward direction only Ⓒ Two direction ● All direction

v. If ΔQ is the change in heat and ΔT is the change in temperature, the heat capacity C is:

Ⓐ $\Delta Q \times \Delta T$ ● $\Delta Q / \Delta T$ Ⓒ $m\Delta Q \times \Delta T$ Ⓓ $m\Delta Q / \Delta T$

vi. The mechanism of transfer of heat in solid is due to:

● Conduction only Ⓑ Convection only ● Conduction and Convection Ⓓ Conduction and radiation

vii. The pair of derived physical quantities is:

Ⓐ Current,Temperature Ⓑ Density, Mass Ⓒ Length,Mass ● Area, Volume

viii. A pigeon flies 20km from nest and moves back to nest, his displacement is:

● 0 km Ⓑ 10 km Ⓒ 20 km Ⓓ 40 km

ix. The property of body to resist the change in its state of rest or motion is called:

Ⓐ Force Ⓑ Momentum ● Inertia Ⓓ Impulse

x. The force of 10N acting on body of mass 1kg moving along circular path with velocity 2 m/s of circular path is:

Ⓐ 2m Ⓑ 20m Ⓒ 4m ●

xi. F_x=4N, F_y=3N, F=?

Ⓐ 3N Ⓑ 4N ● 5N

xii. When force is applied at the pivot point torque produced will be:

Ⓐ Maximum Ⓑ Minimum ● Zero Ⓓ None