Physics	Ninth, 2024 Lahore Board	Group – II
Time: 15 Min.	Objective Type	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 work done will be zero when angle between force and distance is :

Ⓐ 90° Ⓑ 45°

Ⓒ 60° Ⓓ 180°

2 Specific heat of water is:

Ⓐ 4200 kg J^{-1} K^{-1} Ⓑ 4200 Jkg^{-1} K

Ⓒ 4200 J kg K^{-1} Ⓓ 4200 J kg^{-1} K^{-1}

3 A stone is rotating in a circle in a radius 1m with speed 10 ms^{-1}. The mass of stone is 100 g. The centripetal force will be :

Ⓐ 20 ms^{-1} Ⓑ 1 ms^{-1}

Ⓒ 10 ms^{-1} Ⓓ 100 ms^{-1}

4 Which of the substance is the lightest one :

Ⓐ Copper Ⓑ Aluminium

Ⓒ Mercury Ⓓ Lead

5 SI unit of thermal conductivity is :

Ⓐ $Wm^{-1}K$ Ⓑ Wm K^{-1}

Ⓒ $Wm^{-1}K^{-1}$ Ⓓ Wm K

6 Least count of digital Vernier Callipers is :

Ⓐ 1 mm Ⓑ 0.001 mm

Ⓒ 0.1 mm Ⓓ 0.01 mm

7 The value of 'g' at a height on earth's radius above the surface of earth is :

Ⓐ 2 g Ⓑ $\frac{1}{2}$ g

Ⓒ $\frac{1}{3}$ g Ⓓ $\frac{1}{4}$ g

8 Which of the following is a vector quantity:

Ⓐ Speed Ⓑ Distance

Ⓒ Displacement Ⓓ Power

9 Kinetic energy of a body having a mass of 2 kg and speed 5ms^{-1} is :

Ⓐ 20 J Ⓑ 25 J

Ⓒ 50 J Ⓓ 12.5 J

10 The value of tan 45° is:

Ⓐ 0.866 Ⓑ 1

Ⓒ 0.500 Ⓓ 0.707

11 Unit of momentum is :

Ⓐ Ns Ⓑ Nm

Ⓒ $kgms^{-2}$ Ⓓ Ns^{-1}

12 The range of clinical thermometer is :

Ⓐ 35°C-42°C Ⓑ 30°C-42°C

Ⓒ 25°C-42°C Ⓓ 20°C-42°C

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