UNSOLVED

Physics	9th Class (2022)	Lahore Board
Time: 15 Minutes	Objective Type	Marks:12

(GROUP – II)

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 the that question.

1.1 The number of perpendicular component of a force are:

Ⓐ 1 Ⓑ 2
Ⓒ 5 Ⓓ 4

2 Density of a solid can be determined by equation:

Ⓐ $D = \frac{w_2}{w_1 - w_2} \times p$ Ⓑ $D = \frac{w_1}{w_1 - w_2} \times p$
Ⓒ $D = \frac{w_1 - w_2}{w_1} \times p$ Ⓓ $D = \frac{w_1}{w_2 - w_1} \times p$

3 Value of 'G' is:

Ⓐ 6.673×10^{-11} Nm^2 kg Ⓑ 6.673×10^{-10} $Nm^2 kg^{-2}$
Ⓒ 6.673×10^{-11} $Nm^2 kg^{-2}$ Ⓓ 6.673×10^{-12} $Nm^2 kg^{-2}$

4 A change in position is called:

Ⓐ Speed Ⓑ Velocity
Ⓒ Displacement Ⓓ Distance

5 Value of 'g' increases with the:

Ⓐ Increase in mass of body Ⓑ Increase in altitude
Ⓒ Decrease in altitude Ⓓ None of these

6 Rooms are heated using gas heaters by:

Ⓐ Conduction Ⓑ Convection and Radiation
Ⓒ Radiation Ⓓ Convection

7 Which of the following is a unit of momentum:

Ⓐ *Nm* Ⓑ $Kgms^{-2}$
Ⓒ *Ns* Ⓓ Ns^{-1}

8 Newton's 1st law of motion is valid only in the absence of:

Ⓐ Force Ⓑ Net Force
Ⓒ Friction Ⓓ Momentum

9 First condition of equilibrium is:

Ⓐ $\Sigma_\tau = 0$ Ⓑ $\Sigma F = 0$
Ⓒ $\Sigma W = 0$ Ⓓ $\Sigma G = 0$

10 Normal human body temperature is:

Ⓐ 15° C Ⓑ 37° C
Ⓒ 37° F Ⓓ 98.6° C

11 A measuring cylinder is used to measure:

Ⓐ Mass Ⓑ Area
Ⓒ Volume Ⓓ Level of a l iquid

12 SI unit of work is:

Ⓐ Newton Ⓑ Watt
Ⓒ Joule Ⓓ Kg

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