

Physics	Tenth, 2025 Lahore Board	Group – I
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** Half life of an isotope is one day, what quantity remains after 2 days:
- Ⓐ Half Ⓑ One quarter
Ⓒ One eighth $1/8$ Ⓓ None of these
- 2** Presence of magnetic field can be detected by a:
- Ⓐ Small mass
Ⓑ Stationary positive charge
Ⓒ Stationary negative charge Ⓓ Magnetic compass
- 3** Ohm's law is:
- Ⓐ $I \times V = R$ Ⓑ $V = R/I$
Ⓒ $V = I/R$ Ⓓ $V = IR$
- 4** If mass of bob is increased by 3 times then time period of simple pendulum:
- Ⓐ Increased Ⓑ Same
Ⓒ Decreased Ⓓ All of these
- 5** Refractive index of ice is:
- Ⓐ 1.30 Ⓑ 1.31
Ⓒ 1.32 Ⓓ 1.33
- 6** Which form of energy is sound:
- Ⓐ Electrical Ⓑ Mechanical
Ⓒ Thermal Ⓓ Chemical
- 7** One byte is equal to:
- Ⓐ 8 bits Ⓑ 16 bits
Ⓒ 64 bits Ⓓ 128 bits
- 8** A positive electric charge:
- Ⓐ Attract positive Ⓑ Attract neutral
Ⓒ Repel positive Ⓓ Repel neutral
- 9** It does not change during refraction of light:
- Ⓐ Speed Ⓑ Frequency
Ⓒ Direction Ⓓ Wavelength
- 10** The output of NAND gate is zero if :
- Ⓐ $B = 0, A = 0$ Ⓑ $B = 1, A = 1$
Ⓒ $A = 0, B = 0$ Ⓓ $A = 1, B = 1$
- 11** Equivalent resistance in series is 8Ω , what will be in parallel :
- Ⓐ 2Ω Ⓑ 4Ω
Ⓒ 8Ω Ⓓ 12Ω
- 12** In computer terminology, information means:
- Ⓐ Any data Ⓑ Raw data
Ⓒ Processed data Ⓓ Large data