

Physics	Tenth Lahore Board 2019	Time: 15 Min.
Time: 15 Min.	Objective type	Marks : 12

(Group - I)

Note: Fill in the correct 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 If the mass of the bob of the pendulum is increased by a factor of 3, the time period of the pendulum's motion will be:

- (A) Increased by factor of two
- (B) Remain unchanged
- (C) Decreased by factor of two
- (D) Decreased by factor of four

2 We can distinguish between a shrill and grave sound by its:

- (A) Loudness
- (B) Amplitude
- (C) Area
- (D) Pitch

3 To get virtual image from a convex lens the object is kept:

- (A) On F
- (B) Between F and
- (C) Between O and F

4 To correct the defect of vision called nearsightedness which type of lens is used:

- (A) Converging
- (B) Diverging
- (C) Biconvex
- (D) None of these

5 S.I unit of capacitance of a capacitor is :

- (A) V
- (B) A
- (C) F
- (D) N

6 The combined resistance of two identical resistors connected in series is 8 Ohm. Their combined resistance in parallel arrangement will be:

- (A) 4 Ω
- (B) 2 Ω
- (C) 8 Ω
- (D) 12 Ω

7 To measure the value of current flowing in a circuit which device is used:

- (A) Galvanometer
- (B) Ammeter
- (C) Voltmeter
- (D) None of these

8 The turn ratio of a transformer is 10, it means:

- (A) $I_s = 10 I_p$
- (B) $N_s = \frac{N_p}{10}$
- (C) $V_s = \frac{V_p}{10}$
- (D) $N_s = 10 N_p$

9 The process by which electrons are emitted by a hot metal surface is known as:

- (A) Thermionic emission
- (B) Evaporation
- (C) Thermionic emission
- (D) Conduction

10 Typical value of the voltage and current used for thermionic emission from tungsten filament is :

- (A) 6 V and 0.3 A
- (B) 12 V and 0.3 A
- (C) 12 V and 3 A
- (D) 6 V and 3 A

11 The brain of any computer system is :

- (A) Monitor
- (B) Memory card
- (C) Floppy disc
- (D) C.P.U

12 When U-92 ejects a beta particle how many protons will be in the remaining nucleus:

- (A) 93
- (B) 89
- (C) 91
- (D) 90