

RAWALPINDI BOARD

Physics (New Scheme)

(Group-I / A-2022)

SSC (Part-II)

Class - 10th

New Scheme

Time: 15 Minutes

(OBJECTIVE)

Marks: 12

Note:- Write answers to the questions on objective answer sheet provided. Four possible answers A, B, C & D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1- 1KWh is equal to:

- (A) 1.6MJ (B) 2.6MJ (C) 3.6MJ (D) 4.6MJ

2- The direction of induced emf in a circuit is in accordance with conservation of:

- (A) Mass (B) Charge (C) Momentum (D) Energy

3- A device which is used to increase or decrease the AC voltage is called:

- (A) Transformer (B) Motor (C) Generator (D) Voltmeter

4- The particles emitted from a hot cathode surface are called:

- (A) Negative ions (B) Positive ions (C) Electrons (D) Protons

5- The brain of any computer system is:

- (A) Monitor (B) Memory (C) C.P.U (D) Control unit

6- Isotopes are atoms of same element with different:

- (A) Atomic mass (B) Atomic number
(C) Number of protons (D) Number of electrons

7- In a Vacuum all electromagnetic waves have the same:

- (A) Speed (B) Frequency (C) Amplitude (D) Wavelength

8- The speed of sound in liquid as compared to gases is:

- (A) Five times (B) Fifteen times (C) Two times (D) Eight times

9- The refractive index of crown glass is:

- (A) 2.42 (B) 2.21 (C) 1.66 (D) 1.52

10- Five joules of work is needed to shift 10C of charge from one place to another.

The potential difference between the places is:

- (A) 0.5V (B) 2V (C) 5V (D) 10V

11- SI unit of electric intensity is:

- (A) Nm^{-1} (B) NC^{-1} (C) Nm^{-2} (D) Nm

12- Electric potential and e.m.f:

- (A) Are the same terms (B) Are the different terms
(C) Have the different units (D) Are both B and C