10	th Class 2020	
physics	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Max. 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- On what principle circuit breaker works?

- (a) Electromagnet √
- (b) Electric potential
- (c) Self-induction
 - (d) Mutual induction

2- Which of the following is not processing?

- (a) Arranging $\sqrt{}$ (b) Manipulating
- (c) Calculating (d) Gathering

3- The speed of light in glass is:

- (a) $3 \times 10^8 \text{ ms}^{-1}$
- (b) $2.3 \times 10^8 \text{ ms}^{-1}$
- (c) $2 \times 10^8 \text{ ms}^{-1} \text{ } 1/2$
- (d) $1.5 \times 10^8 \text{ ms}^{-1}$

4- The output of NAND gate is zero:

- (a) A = 0 and B = 0
- (b) A = 1 and B = 1 $\sqrt{ }$
- (c) A = 0 or B = 0
- (d) A = 1 or B = 1

5-	Which one is not radioactive element?		
	(a) Uranium (b) Polonium		
	(c) Thorium (d) Sodium √		
6-	In a vacuum all electromagnetic waves have same;		
	(a) Speed √ (b) Frequency		
	(c) Amplitude (d) Wavelength		
7-	An electric current in conductor is due to flow of:		
	(a) Positive ion		
	(b) Negative ion		
	(c) Positive charge		
	(d) Free electron √		
8-	Which is an example of longitudinal waves?		
	(a) Sound waves 1/		
	(b) Light waves		
	(c) Radio waves		
	(d) Water waves		
9-	If current in wire, which is placed perpendicular		
	to magnetic field increases, the force on the		
	wire:		
	(a) Increases √		
	(b) Decreases		
	(c) Remain same		
10-	(d) Will be zero		
	1 PF = (a) 10^{-6} F (b) 10^{-9} F		
	(a) 10^{-6} F (b) 10^{-9} F (c) 10^{-12} F $\sqrt{}$ (d) 10^{-3} F		
•	(d) 10 - E		

11. The unit of power of lens is:

(a) Meter

(b) Diopter √

(c) Hertz

(d) Volt

12- The particles emitted from a hot cathode surface are:

(a) Positive ion

(b) Negative ion

(c) Protons

(d) Electrons $\sqrt{}$

