Inter (Part-II) 2018

Physics	Group-II	PAPER: II
Time: 20 Minutes	(OBJECTIVE TYPE)	Marks: 17

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.

- The dimension of Planck's constant is same as 1-1that of:
 - (a) Energy
- (b) Power
- (c) Acceleration (d) Angular momentum v
- High frequency radio wave is called as: 2-
 - (a) Fluctuate wave (b) Carrier wave √

 - (c) Matter wave (d) Mechanical wave
- The value of e/m is smallest for: 3-
 - (a) Proton 1 (b) Electron
- - (c) β-particle (d) Positron
- The Boolean expression of NAND gate is:
 - (a) X = A.B (b) $X = \bar{A}$
 - (c) $X = \overline{A.B} \sqrt{}$ (d) X = A + B
- The impedance Z can be expressed as:

(a)
$$Z = \frac{V_{rms}}{I_{rms}} \sqrt{}$$
 (b) $Z = \frac{I_{rms}}{V_{rms}}$

(b)
$$Z = \frac{I_{rms}}{V_{rms}}$$

(c)
$$Z = I + V$$
 (d) $Z = I - V$

(d)
$$Z = I - V$$

- The unit of electric intensity other than NC-1 is:
 - (a) $\frac{V}{A}$

(b) $\frac{V}{m} \sqrt{}$

(c) $\frac{V}{C}$

(d) $\frac{N}{V}$

	7-	The most useful tracer isotopes for the
	1	treatment of thyroid glands is:
		(a) Cobalt-60 (b) Carbon-14
4		(c) Iodine-131 √ (d) Strontium-90
	8-	When motor is just started, back emf is almost:
		(a) Maximum (b) Zero √
4		(c) Minimum (d) Infinite
	9-	The photon with energy greater than 1.02 MeV
		can interact with matter as:
		(a) Photoelectric effect
		(b) Compton effect
		사람들이 가능하게 가능한 전에 있었다. 그 그 가능하는 살이 되었다. 그리고 하는 것이 하는 것을 받는 것이 되었다. 그는 사람들이 하는 것이 없다는 것이 없다.
		(c) Pair production 1/
	40	(d) Annihilation of matter
	10-	The electric field created by positive point
		charge is:
		(a) Radially inward (b) Zero
		(c) Circular (d) Radially outward √
		Substances which break just after the elastic
		limit is reached is called as:
		(a) Ductile substances
		(b) Hard substances
		(c) Brittle substances √ (d) Soft substances
	45	하시다. 이 사람이 동안 없어요? 아이를 살게 되는 사람들이 모든 사람이 되었다. 그 사람들이 얼마나 되었다. 그는 사람이 되었다.
4	16.	Resistance tolerance for gold colour is:
		(a) 50% (b) 30% (c) 20% (d) 5% √
	12	In electron transition from power to higher orbit
	13-	atom cannot emit:
*		(a) γ-rays √ (b) Ultraviolet rays
		(c) Visible light (d) Infrared
14.	14-	Automatic functioning of street light can be
		done by the use of:
		(a) Inductor (b) Capacitor
		(c) Comparator √ (d) Thermistor
	•	
		그림 중에 가는 사람들이 되었다면 하는 것이 살아가는 것이 없는데 되었다. 나는 사람이 없는데 없다면 다른데 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면

- 15- Nuclear fission chain reaction is controlled by using:
 - (a) Steel rods
 - (b) Graphite rods
 - (c) Cadmium rods √
 - (d) Platinum rods .
- 16- Henry is S.I unit of:
 - (a) Current
- (b) Resistance
- (c) Flux
- (d) Self-induction √
- 17- The S.I unit of magnetic induction is:
 - (a) Weber
- (b) Tesla √
- (c) Gauss
- (d) Newton

