

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
2	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , if voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V
3	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
4	The word amorphous means:	A. Regular structured B. Without form or structure C. Frozen structured D. None of above
5	If the length of solenoid is doubled but N same, B inside the solenoid becomes.	A. Half B. Doubled C. One fourth D. Four times
6	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
7	In according with Bohr's theory the K.E of the electron is equal to:	A. $\frac{ke^2}{2r}$ B. $\frac{Ze^2}{r}$ C. $\frac{Ze^2}{r^2}$ D. $\frac{Ze^2}{2r^2}$
8	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
9	Unit of decay constant $\lambda$ is:	A. ms B. $m^{-1}$ C. m D. $s^{-1}$
10	One ohm is equal to	A. VC-1 B. CV-1 C. AC-1 D. $\frac{VA}{1}$
11	Power dissipation in A.C circuit is expressed as:	A. $P = I_{rms} \times V_{rms} \sin\theta$ B. $I_{rms} \times V_{rms} \cos\theta$ C. $I_{rms} \times V_{rms} \cos\theta$ D. $I_{rms} \times V_{rms} \sin 2\theta$
12	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
13	When platinum is heated is become dull red at:	A. 900°C B. 500°C C. 800°C D. 1100°C
14	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon
		A. Maximum

15	An alternating quantity (voltage or current) is completely known if we know its:	B. Frequency and phase C. Effective value D. Both (a) & (b)
16	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
17	Minimum energy needed to escape an electron from metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
18	NAND gate represented by:	A. $X = A \cdot B$ B. $X = A + B$ C. $X = A \cdot B$ D. $X =  A + B $
19	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
20	1 kg mass will be equivalent to energy.	A. $9 \times 10^{18}$ J B. $9 \times 10^{12}$ J C. $9 \times 10^{16}$ J D. $9 \times 10^{19}$ J