

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A voltmeter is always connected in	A. Parallel B. Series C. Perpendicular D. Straight line
2	Radius of first orbit of an atom is $r_1 = 0.053 \text{ nm}$ , Radius of second orbit $r_2$ will be.	A. $0.106 \text{ nm}$ B. $0.212 \text{ nm}$ C. $0.053 \text{ nm}$ D. $0.53 \times 10^{-10} \text{ nm}$
3	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect D. None of above
4	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
5	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
6	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
7	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
8	In current carrying long solenoid the magnetic field produced does not depend upon	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of above
9	Glass and high steel carbon are example of.	A. Ductile substances B. Brittle substances C. Soft substances D. Hard substances
10	A rheostat can be used as variable resistor as well as a-----	A. Potential divider B. Current divider C. Wheat stone bridge D. Power divider
11	When metal is heated sufficiently electrons are given off by the metal. This phenomenon is known as.	A. Photoelectric effect B. Piezo electric effect C. Thermionic emission D. Secondary emission
12	Power dissipation in A.C circuit is expressed as:	A. $P = I_{\text{rms}} \times V_{\text{rms}} \sin\theta$ B. $I_{\text{rms}} \cos\theta$ C. $I_{\text{rms}} \times V_{\text{rms}} \cos\theta$ D. $I_{\text{rms}} \times V_{\text{rms}} \sin 2\theta$
13	The inductive reactance of a coil is directly proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
14	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. $3.40 \text{ eV}$ B. $10.20 \text{ eV}$ C. $13.6 \text{ eV}$ D. $3.8 \text{ eV}$

15	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
16	To get N-Type the Ge is doped with	A. Aluminium B. Arsenic C. Boron D. Indium
17	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
18	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
19	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
20	$e/m =$	A. $v/Br$ B. $Br/V$ C. $VB/r$ D. $Vr/B$