

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electrons are	A. Hadrons B. Laptons C. Quarks D. Baryons
2	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
3	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Hlaf C. Remain same D. One fourth
4	Which one of the following is correct	A.   D. All of above
5	In Series resonance circuit the impedance of circuit art resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
6	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
7	Thermosouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
8	A charged particle enters in a strong magnetic field its K.E.	A. Remain constant B. Increases C. Decreases D. Increases then decreases
9	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
10	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m<sup>2</sup>
11	An electron enters the magnetic field at right angle from left, B is into paper. The electron will be deflected.	A. upward B. To ward right C. Down ward D. Toward left
12	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. .Electro magnetism D. Electrostatics
13	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	A. 1<span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px; font-weight: bold;">2</span> B. 2<span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px; font-weight: bold;">1</span> C. 1<span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px; font-weight: bold;">3</span> D. 4<span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px; font-weight: bold;">3</span>

14	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchnorr's 1st rule B. Kirchhoff 2 <sup>nd</sup> rule C. Krichoff's 3 <sup>rd</sup> rule D. Kirchhoff 4 <sup>th</sup> &nbsp;rule
15	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
16	In Compton effect the photon behaves as a.	A. Wave B. Particle C. Nucleon D. Both a and b
17	The dimension of stress is	A. $[ML^{-1}]$ B. $[ML^{-1}T]$ C. $[ML^{-1}T^{-1}]$ D. $[ML^{-1}T^{-2}]$
18	Mass equivalent of 931 MeV energy is:	A. $6.02 \times 10^{-23}$ kg B. $1.766 \times 10^{-27}$ kg C. $2.67 \times 10^{-29}$ kg D. $6.02 \times 10^{-87}$ kg
19	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
20	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon