

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The energy of photon is give by	A. $mv^2/2$ B. hf C. $Va e$ D. $mac^{sup}1</sup>$
2	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
3	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
4	Marie Curie and Pierre Curie discovered.	A. Uranium B. Uranium and Radium C. Polonium and radium D. Radium
5	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. $\sqrt{2}$ B. $1/\sqrt{2}$ C. 2 D. $1/2$
6	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
7	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
8	Soft magnetic material is	A. Sodium B. Steel C. Iron D. Copper
9	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
10	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
11	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potential difference increase B. Potential difference between the plates increase, stored energy decreases and charge remains the same C. Potential difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
12	A proton is about 1840 time than an electron. When it is accelerated by a potential difference if 1 kV, its kinetic energy will be:	A. 1884 ke V B. $1/1840$ keV C. 1 keV D. 920 keV

13	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
14	Two parallel wires carrying currents in the opposite direction.	A. Repel each other B. Attract each other C. Have no effect upon each other D. They cancel out their individual magnetic fields.
15	Antiparticle of electron is.	A. proton B. Photon C. Positron D. Neutron
16	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
17	The reverse saturation current in a PN junction diode is only due to:	A. Majority carriers B. Minority carriers C. Acceptor ions D. Donor ions
18	Magnetic flux density at a point due to current carrying coil is determined by	A. Ampere's law B. Faraday's law C. Lenz's law D. Gauss's law
19	Which of the following does not undergo plastic deformation.	A. Copper B. Wrought iron C. Lead D. Glass
20	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A