

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The phase angle of a series RLC circuit at resonant frequency is	A. 1/2 B. σ C. Zero D. $\sigma/4$
2	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
3	$X_c =$	A. $1/2\pi fc$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$
4	Life time of metastable states is	A. 10^{-6} sec or more B. 10^{-3} sec or more C. 10^{-5} sec or more D. None of these
5	The highest value reached by the voltage or current in one cycle is called:	A. Peak to peak value B. Peak value C. Instantaneous value D. Root mean square value
6	Which one pair belongs to acceptor impurity.	A. Arsenic, phosphorus B. Boron, gallium C. Arsenic, antimony D. Antimony, indium
7	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman series B. Paschen series C. Balmer series D. Brackett series
8	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Half C. Remain same D. One fourth
9	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
10	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
11	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
12	The force on a charge particle moving parallel to magnetic field is:	A. Maximum B. Minimum C. Zero D. None of these
13	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases
14	The potential barrier for silicon is.	A. 0.7 V B. 0.5 V C. 0.3 V D. 0.9 V
15	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor

16	The unit of permeability of free space is:	A. $T.m/A$ B. $T.m^{sup}2</sup>/A$ C. $T.m/A^{sup}2</sup>$ D. None of these
17	Grid in cathode ray oscilloscope controls.	A. Number of electron B. Temperature of filament C. Frequency of electron D. Energy of electrons
18	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
19	Some charge is being given to a conductor. Then its potential	A. Its maximum at surface B. Its maximum at its maximum at center C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
20	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
