

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy density in an inductor is.	A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field
2	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
3	Force on a charged particle is zero when projected at angle with magnetic field.	A. 0° B. 90° C. 180° D. 270°
4	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
5	Unit of impedance is:	A. Ohm B. Ohm ⁻¹ C. no unit D. Ohm m ⁻¹
6	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
7	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times
8	Logic gate can control some physical parameters like.	A. Temperature, Pressure B. Resistance, Inductance C. Capacitance, Impedance D. Current, voltage
9	Energy of Black body radiation depends upon	A. Nature of surface of body B. Nature of material of body C. Shape and size of body D. Temperature of the body
10	Terminal potential difference is greater than emf of the cell when	A. Circuit is open B. Circuit is closed C. small battery is charged by bigger battery D. None of these
11	When platinum wire is heated, it changes to cherry red at temperature.	A. 500°C B. 900°C C. 1100°C D. 1300°C
12	Energy stored in an inductor is:	A. $\frac{1}{2}L^2$ B. $\frac{1}{2}L^2/I$ C. $\frac{1}{2}LI^2$ D. $\frac{1}{2}LI$
13	When motor is just started, back emf is almost.	A. Maximum B. Zero C. Minimum D. Infinite
14	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276

15	A photo diode can turn its current ON and OFF in	A. Micro seconds B. Mega seconds C. Nano seconds D. Mili seconds
16	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
17	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
18	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
19	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
20	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen