

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum
2	The amount of energy equivalent to 1 a.m.u is	A. 931.5 MeV B. 93.15 MeV C. 9.315 MeV D. 2.224 MeV
3	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
4	Logic gate can control some physical parameters like.	A. Temperature, Pressure B. Resistance, Inductance C. Capacitance, Impedance D. Current, voltage
5	106 electrons are moving through a wire per second the current developed is:	A. 1.6×10^{-19} A B. 1 A C. 1.6×10^{-13} A D. 106 A
6	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
7	Very weak magnetic field produced by brain can be detected by	A. MRI B. CAT scans C. Squid D. CRO
8	mho $-m^{-1}$ is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
9	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
10	A device that shows the visible path of ionizing particle is called.	A. GM counter B. Solid state detector C. Scalar D. Wilson cloud chamber
11	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
12	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
13	Lorentz force means the force acting on a particle, which is	A. Magnetic force only B. Electric force only C. Sum of electric and magnetic force D. None of these
14	Self inductance of a long solenoid is given by	D. None of the above
15	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
16	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton

D. Rutherford

17	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
18	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
19	The inductive reactance of a coil is direction proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
20	Two resistance of 2 Ohm each are connected in parallel combination equivalent resistance will be.	A. 4 Ohm B. 2 Ohm C. 1 Ohm D. 8 Ohm
