

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. <b>D.C. motor</b>
2	If force in the direction of velocity of conductor, then induced current is directed,	A. <b>Anti clockwise</b> B. Clock wise C. At equilibrium D. None of above
3	The galvanometer can be made sensitive by making the factor BAN/C	A. <b>Large</b> B. Small C. Constant D. Zero
4	Which of the following has least hysteresis loop area.	A. Steel B. Wrought Iron C. <b>Soft Iron</b> D. Cobalt
5	1 amu is equal to	A. <b><math>1.0606 \times 10^{-27}</math> kg</b> B. $1.66 \times 10^{-31}$ kg C. $1.66 \times 10^{-34}$ kg D. $1.66 \times 10^{-19}$ kg
6	The mass spectrum of naturally occurring neon, showing	A. 1 isotope B. 2 isotope C. <b>3 isotope</b> D. 4 isotope
7	Truth table of logic function.	A. Summarize its output values only B. Tabulates all its input conditions only C. <b>Display all its input and output possibility</b> D. Is not base on logic algebra
8	A 50 mH coil carries a current of 2.0 a , then energy stored in tis magnetic field is.	A. <b>0.1 J</b> B. 10 J C. 100 J D. 1000 J
9	Insulators have:	A. An empty conduction band B. Al full valence band C. A large energy gap D. <b>All of above</b>
10	Unit of Stephen's constant is	A. $W m K^{-2}$ B. <b><math>W m^{-2} K^{-4}</math></b> C. $W m K^{-4}$ D. None
11	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. <b>Decreases</b> D. Changes exponentially
12	Semiconductor diodes are called:	A. Ohmic B. <b>non ohmic</b> C. Both a & b D. none of above
13	The binding energy per nucleon is maximum for	A. Helium B. <b>Iron</b> C. Potassium D. Radium
14	The fact that electric field exist in space around an electrical charge is	A. <b>Electrical property</b> B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature

15	Max planck received noble prize in:	B. 1932 C. 1918 D. 1914
16	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
17	In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.	A. $N\omega AB$ B. $2\pi f$ C. Maximum D. Zero
18	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Photon
19	The motional emf developed in a conductor depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
20	$X_c =$	A. $\frac{1}{2\pi fc}$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$