

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
2	A force of 0.01 N is exerted on a charge $1.2 \times 10^{-5}$ C at a certain point. The electric field at that point is	A. $1.2 \times 10^{4}$ N/C B. $1.2 \times 10^{4}$ C/N C. $8.3 \times 10^{2}$ N/C D. $8.3 \times 10^{-2}$ N/C
3	Electric power:	A. $V \times I$ B. $V^2 \times I$ C. $V/I$ D. $V/I^2$
4	An electron microscope employs which to one of the following particles?	A. Electron have a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
5	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnetic induction D. Mutual induction
6	The force which is responsible for the breaking up of the radioactive element is.	A. Weak nuclear force B. Strong nuclear force C. Electromagnetic force D. Gravitational force
7	A transistor has:	A. Two regions B. Three regions C. Single regions D. Four regions
8	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
9	In an electronic transition atom cannot emit.	A. Infrared radiations B. Visible radiations C. Ultraviolet radiations D. Gama radiations
10	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
11	The combined effect of resistance and reactance is known as.	A. Inductance B. Conductance C. Resistance D. Impedance
12	Reverse current flows due to	A. Majority charge carriers B. Minority charge carriers C. Electrons D. Holes
13	In three phase A.C. generator the phase difference between each pair of coil is.	A. $45^\circ$ B. $90^\circ$ C. $120^\circ$ D. $60^\circ$
14	Electroencephalogram is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs

15	Ampere second stands for the unit of.	B. emf C. energy D. Power
16	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
17	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m <sup>2</sup>
18	the current which flows from a point at higher. potential to point at lower potential is called.	A. Electric current B. Conventional current C. Either of these D. None of above
19	OR gate is represented by:	A. $X = A+B$ B. $X=A.B$ C. $X=A+B$ D. $X=A.B$
20	In a pure inductive A.C. circuit the current.	A. Lags behind voltage by 90 <sup>o</sup> B. Leads the voltage by 90 <sup>o</sup> C. In phase with voltage D. Leads the voltage by 270 <sup>o</sup>