

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If force in the direction of velocity of conductor, then induced current is directed,	A. Anti clockwise B. Clock wise C. At equilibrium D. None of above
2	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
3	The radio active nuclide ${}^{228}_{86}\text{Ra}$ decays by a series of emissions of three alpha particles and one beta particle. The nuclide X finally formed is:	A. ${}^{220}_{64}\text{X}$ B. ${}^{222}_{86}\text{X}$ C. ${}^{216}_{84}\text{X}$ D. ${}^{215}_{88}\text{X}$
4	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
5	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
6	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
7	The idea of laser device was first introduced by C.H. Towners and Authers Schowman is	A. 1972 B. 1965 C. 1958 D. 1913
8	If I_0 is the peak value of current, then its root mean square value is given by	B. $2 I_0$ C. I_0 D. $0.7 I_0$
9	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m2 C. NA-1n2 D. NA-1m-1
10	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
11	Cobalt -60 is the source for	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
12	Coulomb /volt is called.	A. Farad B. Ampere C. Joule D. Henry
13	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
14	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
15	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m ²

16	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
17	A metal rod of 1 m is moving at a speed of 1 ms ⁻¹ in a direction making an angle 30° with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
18	The value of Rydberg constant is:	A. 1.0749x10 ⁷ m ⁻¹ B. 1.0974 x 10 ⁷ m ⁻¹ C. 1.974 x10 ⁶ m ⁻¹ D. 1.0974 x 10 ⁻⁷ m ⁻¹
19	Disintegration of photon on striking a nucleus into an electron and positron is known as.	A. Annihilation of matter B. Compton effect C. Pair production D. Photo electric effect
20	The unit for Plank's constant is:	A. Js ⁻¹ B. Jm C. Js D. Jm ²