

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The ratio Beta in transistor is called.	A. Voltage gain B. Emitter gain C. Current gain D. Nuclear gain
2	An electron moves at $2 \times 10^2$ m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. $1 \times 10^{-6}$ N B. $6.4 \times 10^{-17}$ N C. $3.6 \times 10^{-24}$ N D. $4 \times 10^6$ N
3	The rod of unit length is moving at 30 o through a magnetic field of 1 T. If the velocity of rod is 1 m/s, then induced emf in the rod will be given by	A. 1V B. 0.25 V C. 0.5 V D. 0.6 V
4	One joule is equal to.	A. $1.6 \times 10^{19}$ eV B. $1.6 \times 10^{-19}$ eV C. $6.25 \times 10^{18}$ eV D. $6.25 \times 10^{18}$ eV
5	The substance which atom cooperates with each other in such a way so as to exhibit a strong magnetic field is called.	A. Ferromagnetic B. Paramagnetic C. Diamagnetic D. Non magnetic
6	Low level radiations effects	A. Less of hair B. Ulceration C. Drop of white blood cells D. All
7	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
8	If current flowing through a solenoid becomes four times, then magnetic field inside becomes.	A. two times B. three times C. four times D. Half
9	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. $N/2$ C. $N/4$ D. $3N/4$
10	A positive charge is moving towards an observer, The direction of magnetic induction will be.	A. Toward right B. Anti clockwise C. Clockwise D. Toward left
11	The unit of permiability of free space is:	A. T.m/A B. $T.m^2/A$ C. $T.m/A^2$ D. None of these
12	During electrolysis process, density of $CuSO_4$ solution	A. Remains constant B. Decreased C. Increased D. None of these
13	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above
14	The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by	D. $Bevm$
15	Magnetic flux density at a point due to current carrying coil is determined by	A. Ampere's law B. Faraday's law C. Lenz's law D. Gauss's law

16	X=A+B is the mathematical notation for.	B. NOR gate C. NAND gate D. AND gate
17	Photodiode is used for:	A. Detection of current B. Detection of heat C. Detection of light D. Both a & b
18	Commutator was invented by:	A. William bills B. William Gates C. William tells D. William Sturgeon
19	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
20	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer