Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The value of Wien's constant:	A. 2.9×10^{-3} mk B. 2.19×10^{-7} mk C. 3.18×10^{6} km^{-1} D. 6.21×10^{-9} m^{2} wk^{3}
2	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
3	Energy released by conversion of 1 amu is	A. 200 MeV B. 931 MeV C. 233 MeV D. 243 MeV
4	A current generator device converts:	A. Mechanical energy into chemical energy B. Chemical energy into electrical energy C. Mechanical energy into electrical energy D. Both b and c
5	Minority carriers in P-Types , substances are.	A. Electrons B. Protons C. Holes D. Neutrons
6	Energy of Black body radiation depends upon	A. Nature of surface of body B. Nature of material of body C. Shape and size of body D. Temperature of the body
7	Conversation of only one half of A.C. into D.C. is called.	A. Half wave amplification B. Wave amplification C. Half wave electrification D. Half wave rectification
8	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
9	The phase difference between the current and voltage at resonce is:	A. 0 B. π C. $-\pi$ D. $\pi/2$
10	De-Broglie waves are associated with	A. Moving charged particles only B. Moving neutral particles only C. All moving particles D. All parties whether in motion or at rest
11	Nuclear fission chain reaction is controlled by using.	A. Cadmium rods B. Iron rods C. Platinum rods D. Steel rods
12	If a step up transformer were 100% efficient the primary and secondary winging's would have the same.	A. Current B. Power C. Voltage D. Direction of winding
13	A proton is about 1840 time than an electron. When it is accelerated by a potencial difference if 1 kV, its kinetic energy will be:	A. 1884 ke V B. 1/1840 keV C. 1 keV D. 920 keV

14	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same D. None of above
15	Calculate current in 2 2R /4Ω resistor.	A. 1 A B. 2R /4Ω C. R/3Ω D. 2R /3Ω
16	The wavelength associated with the protons moving at speed of 40 m/s is.	A. 7.20 nm B. 9.02 C. 15.7 nm D. 17.3 nm
17	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
18	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. Nonwe of these
19	The force on a charge particle moving parallel to magnetic field is:	A. Maximum B. Minimum C. Zero D. None of these
20	1 amu is equal to	A. 1.0606×10^{-27} kg B. 1.66×10^{-31} kg C. 1.66×10^{-34} kg D. 1.66×10^{-19} kg