Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	An electromagnetic wave goes from air to glass which of the following does not change?	A. Radio waves B. X-rays C. Ultra violet radiation D. Ultra sond waves
2	If V_{rms} be the root mean square value of emf then its peak to peak value is given by	
3	Which factor does not affect the conductivity of PN-Junction diode.	A. Doping B. Temperature C. Voltage D. Pressure
4	If F1 and F2 are teh magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. F1=F2 B. F1>F2 C. F1<F2 D. F1 = 4F2
5	Compton shift is maximum for scattering angle of photon	A. 0^o B. 90^o C. 180^o D. 45^o
6	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
7	e.m.f is the conversion of ---------- energy into electrical energy	A. Chemical B. Solar C. Light D. None of these
8	The magnetic field inside solenoid is given:	A. μ_◦nl² B. μ_◦nl C. μ_◦n/1² D. μ_◦l/n
9	Which one pair belongs to acceptor impurity.	A. Aresincl, phosphorus B. Boron, gallium C. Arsenic, antimony D. Antimony, indium
10	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
11	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
12	Donor impurities are	A. Germanium, silicon B. Indium, galium C. Antimony, arsenic D. Diamond, carbon
13	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
14	X-rays are similar in nature to.	A. Gama rays B. Beta rays C. Alpha rays D. Cathode rays
15	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
16	The reciprocal of decay construct lamda of a radioactive element is.	A. Half life B. Mean life C. Curie

		D. total life
17	The resonance frequency is given by:	A. fr = 2π√LC B. fr = 1/2πLC C. fr = 1/ 2π√LC D. f1 = 1/ 2πC√L
18	At 0 K a piece of silicon is a	A. Conductor B. Semi-conductor C. Insulator D. All
19	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
20	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford