Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which one of the following is correct	A. D. All of above
2	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
3	Energy stored in an inductor is:	A. 1/2L²I B. 1/2L²/I C. _{1/2LI}² D. 1/2LI
4	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
5	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
6	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. √2 B. 1/√2 C. 2 D. 1/2
7	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above
8	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
9	Brightness of screen of CRO controlled by	A. Grid B. Filament C. Anode D. Cathode
10	Curie temperature is a point where :	A. Diamagnetism changes to paramagnetism B. Paramagnetism changes to Diamagnetism C. Ferromagnetism changes to paramagnetism D. Paramagnetism changes to Ferromagnetism
11	Which type of impurity is to be added to a pure semi conductor crystal to provide holes.	A. Monovalent B. Trivalent C. Tetravalent D. Pentavalent
12	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
13	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark

14	The binding energy per nucleon is maximum for	A. Helium B. Iron C. Potassium D. Radium
15	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
16	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
17	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90^o B. 270^o C. 0^o D. 180^o
18	Photodiode is used for:	A. Detection of current B. Detection of heat C. Detection of light D. Both a & b
19	In Compton scatting, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90^oC B. Zero C. 120^oC D. 45^oC
20	The dimensions of magnetic flux are	A. M¹L⁻²T¹A¹ B. MLT⁻²A⁻¹ C. ML²T²A⁻¹ D. ML²T⁻²A⁻¹