

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
2	Unit of decay constant λ is:	A. ms B. m^{-1} C. m D. S^{-1}
3	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. Changes exponentially
4	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
5	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
6	$e/m =$	A. v/B B. B/V C. V/B D. V/B
7	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
8	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
9	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes D. 35 Isotopes
10	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
11	The inductive reactance of a coil is directly proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
12	Energy stored per unit volume inside a solenoid is called as	A. energy density B. Electric flux C. Work D. Volume charge density
13	If 13.6 eV energy is required to ionize the hydrogen atom, then the required energy to remove an electron from $n=2$ is:	A. 10.2 eV B. 0 eV C. 3.4 eV D. 6.8 eV
14	The unit of temperature coefficient of resistivity is.	A. Ohm \cdot m B. K$^{-1}$ C. K D. Ohm
15	The impurity in the germanium is usually in the ratio of	A. $1:10^6$ B. $1:10^4$ C. $1:10^8$ D. $1:10^{-6}$

16 The heat produced by passage of current.

A. $H=I^2Rt$
B. $H=IR^2T$
C. $H=I/Rt$
D. $H=I^2Rt/2$

17 The phase angle of a series RLC circuit at resonant frequency is

A. 1/2
B. sigma
C. Zero
D. sigma /4

18 Natural rubber is an example of:

A. Crystalline solids
B. Amorphous solids
C. Polymeric solids
D. None of above

19 The number of crystal system are

A. Three
B. Five
C. Seven
D. Fifteen

20 Minority carriers in P-Types , substances are.

A. Electrons
B. Protons
C. Holes
D. Neutrons