

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
2	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
3	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
4	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
5	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode
6	Electromagnetic induction obeys law of conservation	A. Charge B. Energy C. Momentum D. Mass
7	An alternating quantity (voltage or current) is completely known if we know its:	A. Maximum B. Frequency and phase C. Effective value D. Both (a) & (b)
8	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
9	Very weak magnetic field produced by brain can be detected by	A. MRI B. CAT scans C. Squid D. CRO
10	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
11	A device that shows the visible path of ionizing particle is called.	A. GM counter B. Solid state detector C. Scalar D. Wilson cloud chamber
12	An inductor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
13	The highest value reached by the voltage or current in one cycle is called:	A. Peak to peak value B. Peak value C. Instantaneous value D. Root mean square value
14	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon
15	The unit of radioactivity is:	A. Becquerel B. Henry C. Pascal D. ...

		D. Joule
16	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
17	The $1\text{eV}$ =	A. $1.6 \times 10^{-19}\text{C}$ B. $1.6 \times 10^{-11}\text{J}$ C. $1.6 \times 10^{-19}\text{J}$ D. $1.6 \times 10^{-11}\text{C}$
18	Radius of first orbit of an atom is $r_1 = 0.053\text{ nm}$ , Radius of second orbit $r_2$ will be.	A. $0.106\text{ nm}$ B. $0.212\text{ nm}$ C. $0.053\text{ nm}$ D. $0.53 \times 10^{\sup}<\text{a href="null">-10</a></sup>\text{ nm}}$
19	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. Changes exponentially
20	An electric field cannot deflect	A. X-rays B. $\alpha$ -particles C. $\beta$ -particles D. None of these