

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Force on a charged particle is zero when projected at angle with magnetic field.	A. 0 B. 90 C. 180 D. 270
2	The particles equal in mass but greater than proton are.	A. Mesons B. Baryons C. Leptons D. Hadrons
3	Curie is unit of.	A. Conductivity B. Binding energy C. Radioactivity D. Resistivity
4	The value of Stefan is constant is:	A. $4.57 \times 10^{-8} \text{ m}^2 \text{ k}^2$ B. $5.67 \times 10^{-8} \text{ W m}^{-2} \text{ k}^{-4}$ C. $6.67 \times 10^{-11} \text{ W m}^2 \text{ k}^4$ D. $7.45 \times 10^{-9} \text{ m}^2 \text{ W k}^3$
5	The total charge of any nucleus is:	A. Ze B. Z C. Both a and b D. None of above
6	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Leptons
7	When gama rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
8	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
9	The dimensions of magnetic flux are	A. $M^1 T^1 A^1$ B. $M L^{-2} A^{-1}$ C. $M L^2 T^2 A^{-1}$ D. $M L^2 T^2 A^{-1}$
10	Terminal potential difference is greater than emf of the cell when	A. Circuit is open B. Circuit is closed C. small battery is charged by bigger battery D. None of these
11	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen
12	The conventional current is due to the flow of	A. Atoms and molecules B. Positive charge C. Negative charge D. Bot (b) and (c)
13	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
		A. N-1 Am

14	The SI unit of magnetic induction Tesla is equal to	B. NA m ² C. NA-1n ² D. NA-1m-1
15	Platinum wire becomes white at a temperature of.	A. 1600 ^o B. 1300 ^o C. 1100 ^o D. 900 ^o
16	Thermosouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
17	Electric current produces magnetic field, was suggested by.	A. Faraday B. Oersted C. Henry D. Lenz
18	The semi conductor diode has the property of	A. Two way conduction B. Zero conduction C. One way conduction D. Amplification
19	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
20	Unit of decay constant λ is:	A. ms B. m ⁻¹ C. m D. S ⁻¹