

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The Lenz's law is also statement of:	A. Law of conservation of mass B. Law of conservation of charge C. Law of conservation of energy D. Law of conservation of momentum
2	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
3	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shale's
4	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
5	Unit of decay constant λ is:	A. ms B. m^{-1} C. m D. S^{-1}
6	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
7	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
8	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
9	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
10	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above
11	An atom can reside in excited state for	A. 10^{-8} second B. One second C. 10^{-10} second D. More than one second
12	Domains are existed in	A. Ferromagnetic materials B. Paramagnetic materials C. Semi conductors D. Diamagnetic materials
13	The value of capacitive reactance is given by	A. $X_C = VI$ B. $X_C = 1/wC$ or $X_C = wL$ C. $X_C = 1/wC$ or $X_C = Lw$ D. All of above
14	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum
15	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear b B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force

16 In CRO, the output waveform of time base generator is
A. Circular
B. Square
C. Sinusoidal
D. **Saw-toothed**

17 The gate, which changes the logic level to its opposite level is called
A. NOR gate
B. AND gate
C. OR gate
D. **NOT gate**

18 The most common source of an A.C. Voltage is.
A. Motor
B. Cell
C. **Generator**
D. Thermo couple

19 The expression $P = VI$ hold only when current and voltage are.
A. **In phase**
B. Out of phase
C. At right angle to each other
D. At angle of 120°

20 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
