

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm^{-1}
2	If F_1 and F_2 are the magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1=F_2$ B. $F_1>F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
3	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
4	The material whose resistivity becomes zero below a certain temperature	A. Conductors B. Semiconductors C. Superconductors D. Insulators
5	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
6	amu =	A. 1.06×10^{-27} kg B. 1.6606×10^{-27} kg C. 1.520×10^{-21} kg D. 1.6606×10^{-31} kg
7	In current carrying long solenoid the magnetic field produced does not depend upon.	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of the above
8	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
9	Mutual induction plays a role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
10	The magnitude of motional emf is given by	
11	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02MeV D. 1.04MeV
12	The sensitivity of galvanometer is given by	A. CAN/B B. C/BAN C. BAN/C D. BN/CA
13	Production of x-rays is a reverse process of	A. Photoelectric effect B. Compton effect C. Annihilation D. Pair production
14	If the coil is wound on an iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
15	There is no change in A and Z of any radioactive element by the emission of.	A. Alpha particle B. Beta particle C. Gamma particle D. X-rays

16	Alpha particle carries a charge.	B. +2e C. -2e D. No charge
17	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90° B. 270° C. 0° D. 180°
18	Base of transistor is of order:	A. 10^{-11} m B. 10^{-6} m C. 10^{-8} m D. 10^{-6} m
19	The device which is used as amplifier and works with the negative feedback is.	A. Operational amplifier B. P-n-p transistor C. n-p-n transistor D. Transistor
20	A cable breaks if stretched by more than 2mm. It is cut into two equal parts. How much either part can be stretched without breaking?	A. 25 m B. 1mm C. 2mm D. 0.5 m