

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Charge on electron is	A. 1.6×10^{-19} C B. 1.6×10^{-19} C C. 1.6×10^{-17} C D. 1.6×10^{17} C
2	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
3	the substances in which the atoms do not form magnetic dipoles are called.	A. Diamagnetic B. Para magnetic C. Ferro magnetic D. Crystal
4	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirhhoff's 1st rule
5	100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is.	A. 30.8 Ohm B. 31.8 Ohm C. 34.8 Ohm D. 40 Ohm
6	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	A. Half B. Double C. Remain same D. Zero
7	An electric field cannot deflect	A. X-rays B. a-particles C. β -particles D. None of these
8	Gamma radiations are emitted due to:	A. De-excitation of atom B. De-excitation of nucleus C. Excitation of atom D. Excitation of nucleus
9	Substance which break just after the elastic limit is reached are called as.	A. Ductile substances B. Hard substances C. Britto substances D. Soft substances
10	Self induction does not depend on	A. Number of turns of the coil B. Area of cross section of the core C. Nature of material of the core D. Current through inductor
11	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m ² C. NA-1n ² D. NA-1m-1
12	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
13	Unit of decay constant λ is:	A. ms B. m ⁻¹ C. m D. S ⁻¹
14	The most abundant isotope of neon is:	A. Neon 21 B. Neon 20 C. Neon 22 D. None of above
15	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above

16	The scientist who suggested the presence of neutron was:	A. Bohr B. Rutherford C. Chadwick D. J.J Thomson
17	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. $\sqrt{2}$ B. $\frac{1}{\sqrt{2}}$ C. 2 D. $\frac{1}{2}$
18	The number of neutrons in Li are	A. 2 B. 3 C. 4 D. 7
19	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
20	Half life of Uranium -239 is	A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes D. 23.5 minutes