Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
2	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
3	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
4	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
5	The magnitude of motional emf is given by	
6	The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by	D. Bevm
7	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
8	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the above
9	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
10	CRO works by deflecting the beam of electron as they pass through	A. Uniform magnetic field B. Uniform electric field between two sets of parallel plates C. Non-uniform magnetic field D. None of these
11	Question Image	D. None of the above
12	Lorentz force means the force acting on a particle, which is	A. Magnetic force only B. Electric force only C. Sum of electric and magnetic force D. None of these
13	If an electron is prijected in a magnetic field with velocity V, it will experience a force	
14	The permeability of free space is measured in	A. wb A/m B. Am/wb C. wb/Am D. m/wbA
15	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid D. None of these
16	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m²
17	The dimensions of magnetic flux are	A. M¹L⁻²T¹A¹ B. MLT⁻²A⁻¹ C.

ML²I ²A⁻¹

D. ML²T⁻²A⁻¹