

ECAT Pre General Science Physics Chapter 14 Electromagnetism Online Test

Sr	Questions	Answers Choice
1	The force acting as one meter length of the conductor placed at right angle to the magnetic field, when one A current is passing through it, defines the	A. magnetic flux B. magnetic induction C. magnetic field D. self inductance
2	The SI unit of magnetic induction is tesla which is equal to	A. Newton/ampere-meter or N/A-m B. Newton/ampere ² -meter or N/A ² -m C. Newton/ampere ² -meter ² -met
3	The SI unit of magnetic permeability is	A. WB A ⁻¹ B. WB mA ⁻¹ C. WB Am ⁻¹ D. None of these
4	Hold the solenoid in the right hand with fingers curling in the direction of current. The direction of the field will be given by:	A. Thumb<o:p>p></o:p> B. Curled fingers<o:p>p></o:p> C. Middle finger<o:p>p></o:p> D. Arm of right hand<o:p>p>p></o:p> E. Arm of right hand<o:p></o:p>
5	Tesla is the unit of	A. Magnetic induction or flux density B. Magnetic flux C. Self inductance D. None of these
6	The SI unit of magnetic induction is	A. Gauses B. Tesla C. Weber D. Weber ²
7	At a given instant, a photon moves in +x direction in a region where there magnetic field in -z direction. The magnetic force on the proton will be the:	Ay direction B. +y direction C. +z direction Dz direction E. None of these
8	A full-scale deflection is obtained in a galvanometer with a current of few	A. ampere B. volts C. milliampere D. ohm
9	The CRO is used for displaying the waveform of a given	A. current B. voltage C. both of them

		D. none of them
10	The strength of magnetic field around the current conductor is	A. Smaller near the conductor B. Greater near the conductor C. Greater at the large distance from the conductor D. Constant near and away from the conductor
11	The total number of lines of magnetic induction pasing through a surface perpendicular to the magnetic field is called	A. magnetic flux B. magnetic flux density C. magnetic induction D. magnetic field intensity
12	In a moving coil galvanometer, the deflecting couple depends upon	A. area of the coil B. number of turns of coil C. value of magnetic field D. all of the above
13	A resistance used in galvanometer to make it voltmeter is called	A. shunt resistance B. high resistance C. zero resistance D. none of these
14	When current passes through a solenoid coil, it behaves like a	A. loop B. circle C. bar magnet D. none of these
15	(CRO) Cathode ray oscilloscope is a device used for high speed	A. velocity B. graph plotting C. time-velocity D. none of these
16	Current is measured in	A. volts B. watt C. ohm D. ampere
17	A galvanometer is an instrument used to	A. measure voltage across a circuit B. detect current in a circuit C. measure current flowing through a circuit D. none of these
18	The magnetic field outside the solenoid due to current is	A. strong B. zero C. weak D. uniform
19	In the expression of force experienced by electron, the direction of both \underline{v} and \underline{B} are	A. parallel B. zero C. perpendicular D. none of them
20	Flurescent screen is a screen where visible spot	A. vanishes B. is made C. becomes small and large D. none of these

D. none of them