

ECAT Pre General Science Physics Chapter 14 Electromagnetism

Sr	Questions	Answers Choice
1	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
2	The SI unit of magnetic flux is.	A. weber B. $\text{Nm}^{-1}\text{A}^{-1}$ C. tesla D. gauss
3	The permeability of free space is measured in:	A. Wb/A B. Wb A/m C. Am/Wb D. mWeb A E. None of these
4	The SI unit of magnetic induction is	A. Gausse B. Tesla C. Weber D. Weber^2
5	The SI unit of magnetic permeability is	A. $\text{WB A}^{-1}\text{m}^{-1}$ B. WB mA^{-1} C. WB Am^{-1} D. None of these
6	Resistance is measured in	A. volts B. ampere C. ohm D. watt
7	The force experienced by charged particle is maximum, if it moves	A. parallel to magnetic field B. perpendicular to magnetic field C. opposite to the magnetic field D. none of these
8	A voltmeter is used to measure the	A. potential difference B. current C. temperature D. resistance
9	Fluorescent screen is a screen where visible spot	A. vanishes B. is made C. becomes small and large D. none of these
10	(CRO) Cathode ray oscilloscope is a device used for high speed	A. velocity B. graph plotting C. time-velocity D. none of these
11	Magnetic flux passing through a element whose vector area makes an angle θ with lines of magnetic force is:	A. $BA \cos \theta$ B. Zero C. BA D. $BA \sin \theta$ E. None of these

12	The most suitable material for permanent magnet is	A. cobalt B. iron C. steel D. aluminium
13	Current is measured in	A. volts B. watt C. ohm D. ampere
14	In a straight current carrying conductor, the direction of magnetic field can be found by	A. right hand rule B. left hand rule C. head to tail rule D. none of these
15	Electron gun consist of	A. three anodes B. heating cathode C. three anodes D. three anodes , heating cathode, grid
16	Which one of the following relations is correct?	A. $1 \text{ Wb-m}^2 = \text{Nm}^{-1}$ B. $1 \text{ tesla} = 104 \text{ gauss}$ C. $1 \text{ Wb-m}^2 = 1 \text{ tesla}$ D. All of the above
17	The direction of lines of force depends upon the direction of	A. voltage B. current C. charges D. none of these
18	When the waveform of one voltage is increasing and that of second is decreasing and vice versa, then phase difference between these voltage is	A. 90° B. 75° C. 0° D. 180°
19	The working of galvanometer depends upon torque exerted on a current carrying coil in	A. magnetic field B. electric field C. gravitational field D. nuclear field
20	The torque per unit twist of coil is called	A. proportionality constant B. gravitational constant C. boltzman constant D. coupling constant