

## Physics ECAT Pre Engineering Chapter 14 Electromagnetism Online Test

Sr	Questions	Answers Choice
1	The force experienced by an electron projected in a magnetic field B with a velocity V is given by	A. F=e(V x B) B. F= -e(V x B) C. F= e(B x V) D. Both a and c
2	Avo-meter is used of measure the	A. current, voltage B. voltage, resistance C. resistance, current D. current, voltage and resistance
3	The SI unit of flux density is	A. Newton/Amp-meter B. Newton-m/Ampere C. Newton-m/Amp <sup>2</sup> D. Newton-Amp/meter
4	A charged particle moving at right angle to the magnetic field will experience	A. minimum force B. maximum force C. zero D. moderate force
5	The gavanometer constant of a moving coil galvanometer is given by	A. K=BAN/C B. K=BN/CA C. K=NAC/B D. K=C/BAN
6	Current is measured in	A. volts B. watt C. ohm D. ampere
7	The SI unit of flux density is.	A. Tesla B. Weber C. Gaun D. Weber/meter
8	Which is modified form of galvanometer	A. potentiometer B. battery C. voltmeter D. slide wire bridge
9	the current is pass through the straight wire. The magnetic field established around it has its lines of force:	A. <span style='font-size: 12pt; line-height: 107%; font-family: " Times New Roman", serif;'>Circular and endless<b><o:p></o:p></b></span> B. <span style='font-size:12.0pt; line-height:107%; font-family: " Times New Roman", " serif"'>Oval in shape and endless<o:p></o:p></span> C. <span style='font-size:12.0pt; line-height:107%; font-family: " Times New Roman", " serif"'>Straight<o:p></o:p></span> D. <span style='font-size:12.0pt; line-height:107%; font-family: " '>Straight<o:p></o:p></span> D. class="MsoNormal" style="text-align:justify"> <span style='font-size:12.0pt; line-height:107%; font-family: " Times New Roman", " serif" '>Parabolic<o:p></o:p></span> E. All are true
10	The magnetic field in the middle of a solenoid due to current is	A. weak B. strong and uniform C. none-uniform D. zero
11	In order to make a voltmeter, high resistance is connected with galvanometer, in	A. perpendicular B. may be paralled or pendicular C. series D. none of these

		D. F = IL . B
13	The voltage increases linearly with	A. time B. velocity C. acceleration D. torque
14	The CRO is used for displaying the waveform of a given	A. current B. voltage C. both of them D. none of them
15	When a suitable small resistance is put in parallel with the galvanometer coil, it is converted into	A. Voltmeter B. Avometer C. Ammeter D. None of these
16	Gauss(G) is smaller unit of magnetic induction which is related to tesla(T) as	A. IT = 10 <sup>-4 </sup> G B. IT = 10 <sup>5</sup> G C. IT = 10 <sup>3</sup> G D. IT = 10 <sup>4</sup> G
17	Flurescent screen is a screen where visible spot	A. vanishes B. is made C. becomes small and large D. none of these
18	The unit of flux density is also given by	A. Weber/m <sup>2</sup> or Wb . m <sup>-2</sup> B. Weber/mor Wb . m C. Weber/mor Wb . m <sup>-1</sup> D. Weber or Wb
19	Galvanometer is a device used for the detection of	A. voltage B. current C. temperature D. pressure
20	'K' is the proportionality constant of force experienced by conductor. What is the value of 'K' in SI units?	A. 0 B. 1 C. 0.5 D1