

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the length and number of turns of a solenoid are doubled strength of magnetic field with.	A. Be doubled B. Become half C. Not change D. Be four time
2	A photon while passing through a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
3	The name of the scientist who noted that a compass needle was deflected when placed near the current carrying conductor	A. Henry B. Faraday C. Coloumb D. Oersted
4	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
5	$e/m =$	A. v/Br B. Br/V C. VB/r D. Vr/B
6	When Ohm meter gives full scale deflection it indicates.	A. Zero resistance B. Infinite resistance C. Small resistance D. Very High resistance
7	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page
8	The permeability of free space is measured in	A. $wb\ A/m$ B. Am/wb C. wb/Am D. m/wbA
9	The vector sum of electric force and magnetic force is called:	A. Deflecting force B. Lorentz force C. Newton force D. Faraday's force
10	The magnetic flux will be max, For an angle of:	A. 0° B. 60° C. 90° D. 180°
11	μ_0 (Ampere's constant) has value.	A. $4\pi \times 10^{-7}\ WbA^{sup>-1</sup>m^{sup>-1</sup>}$ B. $4\pi \times 10^{-17}\ Wbm^{sup>2</sup>}$ C. $4\pi \times 10^{-7}\ WbA^{sup>-1</sup>m^{sup>-1</sup>}$ D. $4\pi \times 10^{-27}\ Wb/m^{sup>2</sup>}$
12	The dimensions of magnetic flux are	A. $M^{sup>1</sup>T^{sup>1</sup>A^{sup>-1</sup>}}$ B. $MLT^{sup>-2</sup>A^{sup>-1</sup>}}$ C. $ML^{sup>2</sup>T^{sup>2</sup>A^{sup>-1</sup>}}$ D. $ML^{sup>2</sup>T^{sup>-2</sup>A^{sup>-1</sup>}}$

13	Which one of the following resistance is used to convert a Galvanometer into an ammeter.	<p>A. High resistance B. Low resistance in series with galvanometer C. Shunt D. High resistance in series with galvanometer</p>
14	Shunt resistance is	<p>A. Low resistance B. Zero resistance C. High resistance D. Impedance</p>
15	A battery is used in	<p>A. ohmmeter B. Ammeter C. Galvanometer D. Voltmeter</p>
16	The unit of magnetic induction B is	<p>A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m²</p>
17	The sensitivity of galvanometer is given by	<p>A. C/NB B. C/BAN C. BAN/C D. BN/CA</p>
18	The unit of magnetic induction is:	<p>A. Tesla B. Weber C. Weber metre D. NAm^{-1}</p>
19	The force on a charge particle moving parallel to magnetic field is:	<p>A. Maximum B. Minimum C. Zero D. None of these</p>
20	Torque is produced in a current carrying coil when it is placed in a	<p>A. Magnetic field B. Electric field C. Gravitational field D. Nuclear field</p>