Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	An electron moves at 2 x 10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1 x 10⁻⁶ N B. 6.4 x 10⁻¹⁷ N C. 3.6 x 10⁻²⁴ N D. 4 x 10⁶ N
2	One weber is equal to:	A. N.A ²/m B. N.m²/A C. N.A/m D. N.m/A
3	The Weber is unit of measure of:	A. Conductance B. Electric current C. Magnitic flux D. Electric flux
4	The magnetic flux will be max, For an angle of:	A. 0° B. 60° C. 90° D. 180°
5	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above
6	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipes
7	Magnetism is related to:	A. Stationary charges B. Moving charges C. Stationary & Movingcharges D. Law of motion
8	A photon while passing thorugh a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
9	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
10	Thermosouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
11	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	A. 1:2 B. 2:1 C. 1:3 D. 4:3
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12	The resistivity of two wires isρ_1 andρ_2 which are connected in series. If there dimentions are same then the equivalent resistivity of the combination will be:	34); font-family: arial, sans-serif; font-size: 16px;">ρ₁ + ρ₂) B. 1/ρ₁+ 1/ρ₂ C. ρ₁+ρ₂ /2 D. ρ₁ ρ₂
13	A wire uniform cross-section. A length L and resistance R is cut into two equal parts. The resistivity of each part will be:	A. Doubled B. Halved C. Remain the same D. One fourth
14	When a wire is stretched and its radius becomes r/2, then its resistance will be	A. 16 R B. 4 R C. 2R D. 0
15	106 electrons are moving through a wire per second the current developed is:	A. 1.6 x 10-19 A B. 1 A C. 1.6 x 10-13A D. 106 A
16	Calculate current in 2 2R /4Ω resistor.	A. 1 A B. 2R /4Ω C. R/3Ω D. 2R /3Ω
17	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. 3 RΩ B. 2R /4Ω C. R/3Ω D. 2R /3Ω