Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Thermistor with high - ve temperature coefficient are very accurate for measuring low temperature especially near is.	A. 10 kelvin B. 70 kelvin C. 200 kelvin D. 35 kelvin
2	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
3	The unit of conductivity is:	A. Ohm⁻³m⁻¹ B. Ohm m⁻¹ C. Both a and b D. Ohm m⁻¹
4	The vessel containing the tow electrodes and liquid to known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
5	The heat produced by passage of current.	A. H=I²Rt B. H=IR2T C. H=I/Rt D. H=I²/Rt
6	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
7	The free electrons experience force.	A. In direction of -E B. In direction of E C. Both A and B D. All of the above
8	The drift velocity is of order:	A. 10⁻¹³m/s B. 10³ m/s C. 10⁻³m/s D. 10⁻⁴m/s
9	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
10	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
11	The leV =	A. 1.6x10-19C B. 1.6x10-11J C. 1.6x10-19J D. 1.6x10-11C
12	Electric potential at a distance "r" from "q" is:	A. V_r = 1/54πε_◦q/r₂ B. Vr=1/4πε_◦²q/r C. V_r=1/4πε_◦2q/r D. V_r=1/4πε_◦q²/r
13	The electrical intensity is equal to:	A. -Δr/Δv B. Δv/Δr C. Δv/Δv D. -Δv/Δr
14	Electric intensity due to an infinite sheet of charge is:	A. ∂/2ε_◦ B. ∂/rε_◦ C. ∂/r2ε_◦ D. none of these
15	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity

		D. none of all
16	Flux through any closed surface is:	A. 1/ε²_◦ times the total charge enclosed in it B. ε²_◦ time the total charge enclosed in it C. 1/ε_◦ ties the total charge enclosed in ti D. ε_◦ time the total charge enclosed in it
17	The total flux through a closed surface.	A. Directly proportional to shape and geometry B. Independent of medium C. Depend on shape and geometry D. Dependent on medium and the charge enclosed