Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The device which is used as amplifier and works with the negative feedback is.	A. Operational amplifier B. P-n-p transistor C. n-p-n transistor D. Transistor
2	Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.	A. 4.5 eV B. 4.25 eV C. 4.75 eV D. 0.25 eV
3	If the north pole of a magnet moves away from a metallic ring	A. Clockwise B. Anticlockwise C. First clockwise and then anticlockwise D. None of above
4	When the back emf is zero, its draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
5	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
6	The electrostatic force between two charges is 42 N, If we place a dielectric of E_y=2.1 between the charges then the force become equal to.	A. 42 N B. 88.2 N C. 20 N D. 2 N
7	Life time of metastable states is	A. 10^{-6} sec or more B. 10^{-3} sec or more C. 10^{-5} sec or more D. None of these
8	Induced emf in A.C. generator can be increased by	A. Decreasing area of coil B. Decreasing magnetic field C. Increasing area of coil D. Slowing down speed of coil
9	All motions are	A. Absolute B. Uniform C. Relative D. Variable
10	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
11	Radius of first Bohr's orbit is.	A. 0.053 nm B. 0.053 mm C. 0.053 micro meter D. 0.053 m
12	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
13	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop bay coi of many turns D. All of above
14	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
15	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance

C. It is cheaper to use
D. ALl of above

16	The velocity of an oscillating charge as it moves to and fro along a wire is.	A. Changing B. Constant C. Infinite D. zero
17	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
18	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times
19	The amount of energy equal to 1.6×10^{-18} J is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
20	In A.C circuit through a capacitor which one is:	A. Current leads voltage by 90° B. Current lags behind voltage by 90° C. Both will be in phase D. None of above