

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
2	Radius of first orbit of an atom is $r_1 = 0.053$ nm, Radius of second orbit $r_2$ will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. $0.53 \times 10^{-10}$ nm
3	In self induction A coil is connected in _____ with battery and a rheostat.	A. Parallel B. Series C. Both A and B D. None of above
4	In Wilson cloud chamber, $\beta$ -particles leave	A. Thin and continuous tracks B. Thick and continuous tracks C. No tracks D. Thin and discontinuous tracks
5	The unit of permeability of free space is:	A. T.m/A B. $T.m^2/A$ C. $T.m/A^2$ D. None of these
6	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
7	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
8	The reactance of inductor depends upon	A. L D. All of the above
9	Charge on an electron was determined by	A. Ampere B. Millikan C. Maxwell D. Bohr
10	The charge of an alpha particle is equal to	A. -e B. +e C. -2e D. 2e
11	Rutherford performed on experiment on a nuclear reaction in:	A. 1921 B. 1981 C. 1927 D. 1932
12	The symbol of p-n-p transistor is	
13	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
14	SI unit of electric flux is.	A. $NmC^1$ B. $Nm^{-1}C^1$ C <sup>1</sup> C. $Nm^2C^{-1}$ D. $Nm^3C^2$
15	The potential difference across the depletion region of germanium is.	A. 0.3 V B. 0.5 V C. 0.7 V D. 0.8 V
16	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1884

17	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
18	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
19	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
20	The winding of the electromagnet in motor are usually called.	A. Magnetic coils B. Field coils C. Electric coils D. electric o electric coils