

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
2	The current through a resistance of 100 Ohm when connecting across a source of 220 V is.	A. 22000 A B. 22 A C. 2.2 A D. 0.45 A
3	Dielectric constant $\epsilon_r$ for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
4	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
5	The dimension of stress is	A. $[MLT^{-1}]$ B. $[ML^{-1}T]$ C. $[ML^{-1}T^{-1}]$ D. $[ML^{-1}T^{-2}]$
6	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
7	Energy released by conversion of 1 amu is	A. 200 MeV B. 931 MeV C. 233 MeV D. 243 MeV
8	Reverse current flows due to	A. Majority charge carriers B. Minority charge carriers C. Electrons D. Holes
9	Greater concentration of impurity is added in.	A. Base B. Emitter C. Collector D. LED
10	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
11	Those materials whose resistivity becomes zero at certain temperature is called:	A. Semiconductor B. Super conductor C. Conductor D. Insulator
12	Which is not true for X rays	A. X rays are not deflected by electric field B. X rays are polarized C. X rays consist of electromagnetic waves D. X rays can be diffracted by grating
13	To convert a galvanometer into a volt meter a high resistance is connected.	A. In series B. In parallel C. In perpendicular D. Along tangent
14	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. $m^{-1}$ C. $m^{-2}$ D. $m^{-3}$

15	The resistance between the inverting (-) and non inverting inputs is called Input resistance and is the order of.	A. Ohms B. Kilo Ohms C. Mega Ohms D. Thounds Ohms
16	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. $I=Qt$ B. $I= Q/t$ C. $I= Q*t$ D. $I= Q-t$
17	The charge of an alpha particle is equal to	A. -e B. +e C. -2e D. 2e
18	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
19	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
20	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$