

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A photon while passing through a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
2	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
3	The Kirchhoff 1 <sup>st</sup> rule is manifestation of:	A. Law of conservation of mass B. Law of Conservation of charge C. Law of conservation of energy D. None of above
4	The condition for the wheatstone bridge to be balanced is given by	D. None of above
5	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
6	$X_L =$	A. $2\pi fL$ B. $1/2\pi fL$ C. $2\pi fL$ D. $fL/2\pi$
7	The value of maximum output power is?	A. $E/4R$ B. $E^2/4R$ C. $E/4R^2$ D. Non of above
8	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
9	Metals are good conductors of electricity because they have	A. Large number of bounded electrons B. Small number of electrons C. Large number of free electrons D. Small number of free electrons
10	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
11	The flow of D.C current is opposed by	A. Resistor B. Induction C. Capacitor D. All of these
12	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
13	How many times, the alpha particle is more massive than electrons.	A. 6332 B. 7332 C. 8332 D. 9332
14	In A.C circuit through a capacitor which one is:	A. Current leads voltage by $90^\circ$ B. Current lags behind voltage by $90^\circ$ C. Both will be in phase D. None of above
15	Hydrogen bomb is an example of.	A. Nuclear fission B. Nuclear fusion C. Chain reaction D. Chemical reaction

16	In case of A.C. through resistor V and I are	A. At 0 <sup>o</sup> with each other B. At 180 <sup>o</sup> with each other C. At 90 <sup>o</sup> with each other D. At 270 <sup>o</sup> with each other
17	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
18	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these
19	Which one has greater cone of impurity among all:	A. Emitter B. Base C. Collector D. All are pure
20	When an electron in an atom goes from a lower to higher orbit its:	A. K.E increases , P.E decreases B. K.E increases , P.E increases C. K.E decreases , P.E increases D. K.E decreases , P.E decreases