

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A particles equal or greater in mass than of protons are called.	A. Baryons B. Leptons C. Mesons D. Quarks
2	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
3	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
4	$\mu_0$ (Ampere's constant) has value.	A. $4\pi \times 10^{-7} \text{ WbA}^{-1}\text{m}^{-1}$ B. $4\pi \times 10^{-17} \text{ Wbm}^{-2}$ C. $4\pi \times 10^7 \text{ WbA}^{-1}\text{m}^{-1}$ D. $4\pi \times 10^{-27} \text{ Wb/m}^2$
5	$X=A+B$ is the mathematical notation for.	A. OR gate B. NOR gate C. NAND gate D. AND gate
6	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
7	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
8	Subatomic particles are divided into groups.	A. Photon B. Laptons C. Hadrons D. All of these
9	Which device is used as a rectifier?	A. Capacitor B. Transistor C. Diode D. Transformer
10	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
11	The Kirchoff 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
12	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
13	In a coil current change from 2 to 4 A in .05 s . If the average induced emf is 8 V then coefficient of self-inductance is:	A. 0.2 henry B. 0.1 henry C. 0.8 henry D. 0.04 henry
14	Two parrallel, metal plates are a distance 8.00 m apart. The electric field between the plates in uniform, Directed toward the right , and has a magnitude of 4.00 N/C. If an ion of charge +2e is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV

A. It forward biased

15	The colour of light emitted by a LED depends on.	B. Its reverse biased C. Unbiased D. None of these
16	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
17	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
18	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. Changes exponentially
19	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
20	A positron is a particle having.	A. Mass equal to electron B. Charge equal to electron C. Mass equal to mass of electron but charge opposite to charge of electron. D. Mass equal to proton