

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The heat produced by passage of current.	A. $H=I^2Rt$ B. $H=IR^2t$ C. $H=I/Rt$ D. $H=I^2R/t$
2	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
3	The energy of the photon of wavelength 500 nm is.	A. 3.10 eV B. 2.49 eV C. 1.77 eV D. 1.52 eV
4	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
5	In three phase A.C supply coils are inclined at an angle of.	A. 0° B. 90° C. 120° D. 80°
6	The magnetic field inside solenoid is given:	A. $\mu_0 n I$ B. $\mu_0 n l$ C. $\mu_0 n / l$ D. $\mu_0 I / n$
7	The word amorphous means:	A. Regular structured B. Without form or structure C. Frozen structured D. None of above
8	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
9	If the medium between the charges is not free space then electrostatic force will be.	A. Increase B. Decrease C. Remain same D. None of these
10	A charge Q is divided into two parts q and Q-q and separated by a distance R. The force of equilibrium between them will be maximum when:	A. $q=Q/4$ B. $q=Q/2$ C. $q=Q$ D. None of these
11	The output of two input is zero only when its.	A. Both inputs are zero B. Either input is zero C. Both inputs are one D. Either input is one
12	In an electronic transition atom cannot emit.	A. Infrared radiations B. Visible radiations C. Ultraviolet radiations D. Gama radiations
13	Both xenon and caesium each have:	A. 41 isotopes B. 36 isotopes C. 43 isotopes D. 33 isotopes
14	The vector sum of electric force and magnetic force is called:	A. Deflecting force B. Lorentz force C. Newton force D. Faraday's force
15	If force in the direction of velocity of conductor, then induced current is directed,	A. Anti clockwise B. Clock wise C. At equilibrium D. None of above

16	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
17	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
18	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$
19	If there is no fourth band, tolerance is shown as	D. 10%
20	X-rays are similar in nature to.	A. Gamma rays B. Beta rays C. Alpha rays D. Cathode rays