

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Ptund series D. Lyman series
2	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
3	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
4	Force on a charged particle is zero when projected at angle with magnetic field.	A. 0 B. 90 C. 180 D. 270
5	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
6	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff's 1st rule
7	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
8	In an N-type silicon, which of the following statement is true?	A. Electrons are majority carriers & trivalent atoms are the dopants B. Electrons are majority carriers & pentavalent atoms are the dopants C. Holes are minority carriers & pentavalent atoms are the dopants. D. Holes are minority carriers & trivalent atoms are the dopants.
9	Power dissipation in A.C circuit is expressed as:	A. $P = I_{rms} \times V_{rms} \sin\theta$ B. $I V \cos\theta$ C. $I_{rms} \times V_{rms} \cos\theta$ D. $I_{rms} \times V_{rms} \sin 2\theta$
10	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
11	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
12	A current carrying conductor experience maximum magnetic force in a uniform magnetic field when it is placed.	A. Perpendicular to field B. Parallel to field C. At an angle of 60 to the field D. None of these
13	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance C. It is cheaper to use D. ALL of above
		A. Maximum

14	An alternating quantity (voltage or current) is completely known if we know its:	B. Frequency and phase C. Effective value D. Both (a) & (b)
15	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
16	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
17	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
18	If $V_{rms}$ be the root mean square value of emf then its peak to peak value is given by	
19	The velocity of electron moving in 1st orbit of hydrogen atom is:	A. $2.09 \times 10^6 \text{ ms}^{-1}$ B. $2.18 \times 10^6 \text{ ms}^{-1}$ C. $2.19 \times 10^6 \text{ ms}^{-1}$ D. $3.18 \times 10^6 \text{ ms}^{-1}$
20	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836