

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
2	An ECG records the _____ between points on human skin generated by electric process i the heart.	A. Heart beat B. Pulse rate C. Pressure D. Voltage
3	If we make magnetic field stronger the value of induced current is.	A. Decreased B. Increased C. Vanishes D. Remain constant
4	the substances in which the atoms do not form magnetic dipoles are called.	A. Diamagnetic B. Para magnetic C. Ferro magnetic D. Crystal
5	A force of 0.01 N is exerted on a charge $1.2 \times 10^{-5}$ C at a certain point. The electric field at that point is	A. $1.2 \times 10^{4}$ N/C B. $1.2 \times 10^{4}$ C/N C. $8.3 \times 10^{2}$ N/C D. $8.3 \times 10^{-2}$ N/C
6	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capisitor D. Transistor
7	By winding the coil around a less magnetic core, self induction.	A. Will increase B. Will decrease C. Remain same D. First increase then decrease
8	Pair production cann'to take place in vacuum because :	A. Mass in not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
9	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
10	The motional emf is give by	A. $qvB$ B. $IBL$ C. $eBL$ D. $vBL$
11	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
12	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
13	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
14	Photo diode is used for detection of.	A. Heat B. Magnet C. Current D. Light
15	Base of transistor is of order:	A. $10^{-11}$ m B. $10^{-6}$ m C. $10^{-8}$ m D. $10^{-6}$ m

16	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
17	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
18	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.
19	Pair production occurs only when energy of photon is at least equal in:	A. 1.02keV B. 1.02 eV C. 1.02 MeV D. 1.02 GeV
20	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	A. X rays B. Gama rays C. Heat Radiation D. Ultraviolet rays