

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
2	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
3	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
4	amu =	A. $1.06 \times 10^{-27}$ kg B. $1.6606 \times 10^{-27}$ kg C. $1.520 \times 10^{-21}$ kg D. $1.6606 \times 10^{-31}$ kg
5	Two parallel, metal plates are a distance 8.00 m apart. The electric field between the plates is 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
6	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these
7	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. Iodine -131
8	Which material should be inserted between the plates of a capacitor in order to increase its capacitance.	A. Copper B. Mica C. Iron D. Tin
9	Number of Isotopes of Neon gas are	A. 2 B. 3 C. 4 D. 1
10	A.C. can be converted into D.C. by	A. An oscillator B. Detector C. An amplifier D. Rectifier
11	The binding energy for nucleus A is 7.7 Me V and that for nucleus B is 7.8 MeV. Which nucleus has the larger mass?	A. Nucleus A B. Nucleus B C. Less than nucleus D. None of these
12	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
13	Which one of the following bulbs has the least resistance.	A. 100 W B. 200 W C. 500 W D. 1000 W
14	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
15	Magnetic flux density is measured in	A. Weber B. Weber/m <sup>2</sup> C. Tesla -m D. Tesla

		D. Gauss
16	The potential difference across depletion region in case of Si is	A. 0.6 volt B. 0.9 volt C. 0.7 volt D. 0.2 volt
17	The e/m of a neutron is	A. Less than electron B. The same as electron C. Zero D. Greater than electron
18	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
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	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force