

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
2	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
3	Conductors have conductivities of order:	A. $10^{3-1}(\Omega m)^{-1}$ B. $10^{7-1}(\Omega m)^{-1}$ C. $10^{7-1}\Omega m^{-1}$ D. $10^{-6}\Omega$
4	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s < N_p$
5	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
6	Energy density in an inductor is.	A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field
7	The function of three anodes a C.R.O is	A. To accelerate electrons only B. To focus the electrons only C. To control the brightness of spot on screen D. To accelerate and focus the electrons
8	The number of crystal system are	A. Three B. Five C. Seven D. Fifteen
9	Drift velocity of electrons is.	A. $10^{-1} m/s$ B. $10^{-2} m/s$ C. $10^{-3} m/s$ D. $10^3 m/s$
10	The electric potential at a mid point in an electric dipole is.	A. 0 V B. 0.5 V C. 1 V D. 1.5 V
11	NAND gate represented by:	A. $X = A \cdot B$ B. $X = A + B$ C. $X = A \cdot B$ D. $X =  A + B $
12	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Anticlockwise B. Clockwise C. First Clockwise and then Anticlockwise D. First anticlockwise and then Clockwise
13	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
		A. Ferromagnetic

14	The substance which atoms cooperate with each other in such a way so as to exhibit a strong magnetic field is called.	B. Paramagnetic C. Diamagnetic D. Non magnetic
15	The 1eV =	A. $1.6 \times 10^{-19} \text{C}$ B. $1.6 \times 10^{-11} \text{J}$ C. $1.6 \times 10^{-19} \text{J}$ D. $1.6 \times 10^{-11} \text{C}$
16	When nitrogen is bombarded by alpha particles nitrogen nucleus changes into	A. Oxygen B. Carbon C. Barium D. Helium
17	Resistance tolerance for gold colour is.	A. 50% B. 30% C. 20% D. 5%
18	Internal frame is a frame in which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
19	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
20	An expression for gain of an inverting amplifier is	C. $(R_{\text{sub}1} / R_{\text{sub}2})$ D. None of these