

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In pure capacitor A.C. circuit, the current $I$ and charge $q$ are.	A. In phase B. Out of phase C. Parallel to each other D. None of above
2	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
3	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
4	An electron miroscope emplys which to one of the following particles?	A. Electron ahve a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
5	Platinum wire becomes white at a temperature of.	A. $1600^{\circ}\text{C}$ B. $1300^{\circ}\text{C}$ C. $1100^{\circ}\text{C}$ D. $900^{\circ}\text{C}$
6	An inductor of 1 henry inductance has a reactance 500 ohms, then the frequency required is approximately	A. 50 Hz B. 100 Hz C. 80 Hz D. 120 Hz
7	In Wilson cloud chamber, $\beta$ -particles leave	A. Thin and continuous tracks B. Thick and continuous tracks C. No tracks D. Thin and discontinuous tracks
8	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
9	Substance which break just after the elastic limit is reached are called as.	A. Ductile substances B. Hard substances C. Britto substances D. Soft substances
10	If the resistance of 500 Ohm have fourth band of silver colour then its upper maximum resistance will be.	A. 600 Ohm B. 550 Ohm C. 450 Ohm D. 400 Ohm
11	A diode characteristics curve is a plot between	A. Current and resistance B. Voltage and time C. Voltage and current D. Current and time
12	The mutual inductance of the coils depends upon.	A. Stiffness of the coils B. Density of coils C. Material of coils D. Geometry of the coils
13	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
14	Radius of first orbit of an atom is $r_1 = 0.053 \text{ nm}$ , Radius of second orbit $r_2$ will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. $0.53 \times 10^{-10} \text{ nm}$
15	A galvanometer is an electrical instrument used to	A. Measure resistance B. Measure voltage

15	A galvanometer is an electrical instrument used to	C. Detect passage of current D. None of these
16	If $V_{\text{rms}}$ be the root mean square value of emf then its peak to peak value is given by	
17	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. $\text{m}^{-1}$ C. $\text{m}^{-2}$ D. $\text{m}^{-3}$
18	In Compton scatting, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. $90^\circ$ B. Zero C. $120^\circ$ D. $45^\circ$
19	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
20	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s < N_p$