

## Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The condition of resonance is:	A. XL = 1/2 Xc  B. X <sub>L</sub> = X <sub>c</sub> C. X <sub>c</sub> = 4 <sub>x2</sub> D. None of above
2	The main use of A.C is	A. Minimum line losses     B. Long distance transmission     C. Stepping up to required voltage only     D. Steeping down to required voltage only
3	The reactance of inductor depends upon	A. L D. All of the above
4	when an inductor comes close to a metallic object, its inductance is.	A. Decreased B. Increased C. Becomes half D. Becomes 4 times
5	If $I_{\rm O}$ is the peak value of current, then its root mean square value is given by	B. 2   <sub>o</sub> C.   <sub>o</sub> D. 0.7   <sub>o</sub>
6	Electron vibrating 94,000 times each second will produce radio waves of frequency.	A. 94 Hz B. 940 HZ C. 94 Hz D. 490 Hz
7	High frequency radio wave is called as	A. Fluctuate B. Carrier wave C. Matter wave D. Mechanical wave
8	In LR circiut which one of the following statements is correct?	A. L and R opposes each other     B. R value increases with frequency     C. The inductive reactance increases with frequency     D. The inductive reactance decreases with frequency
9	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
10	In RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
11	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
12	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
13	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. I2 D. Nil
14	In A.C circuit through a capacitor which one is:	A. Current leads voltage by 90 <sup>o</sup> B. Current lags behind voltage by 90 <sup>o</sup> C. Both will be in phase D. None of above
		A. Farad

15	In case of capacitor, the unit of reactance is	B. Onm C. Newton D. All of these
16	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
17	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
18	An in cudutor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
19	100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is.	A. 30.8 Ohm B. 31.8 Ohm C. 34.8 Ohm D. 40 Ohm
20	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these