Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
2	The condition of resonance is:	A. XL = 1/2 Xc B. X_L = X_c C. X_c = 4_{x2} D. None of above
3	In A.C circuit through a capacitor which one is:	A. Current leads voltage by 90[◦] B. Current lags behind voltage by 90[◦] C. Both will be in phase D. None of above
4	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
5	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
6	Unit of impedance is:	A. Ohm B. Ohm⁻¹ C. no unit D. Ohm m⁻¹
7	The flow of D.C current is opposed by	A. Resistor B. Induction C. Capacitor D. All of these
8	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
9	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
10	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
11	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. 5√2A D. 5²
12	In chopke coil the resistance X_L an resistance R are:	A. X_L=R B. X_L<<R C. X_L>>R D. X_L=∞
13	At high frequency, the current through a capacitor is	A. Small B. Infinity C. Zero D. Large
14		A. P =I_{rms} x V_{rms} Sinθ B. IxVCosθ

14	Power dissipation in A.C circuit is expressed as:	C. I_{rms}xV_{rms}Cosθ D. I_{rms} x V_{rms} Sin2θ
15	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
16	The phase difference between current and voltage in an inductive circuit is.	A. zero B. 90 ^o C. 180 ^o D. 45^o
17	In A.C circuit of inductor which one is true	A. Voltage leads current by phase angle π/2 B. Voltage lags current by π/2 C. Current leads voltage by π/2 D. Both remain in phase
18	An in cudutor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
19	An A.C. voltmeter reads 220 V, its peak value will be	A. 225 V B. 240 V C. 311.12 V D. 300 V
20	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum