Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	High frequency radio wave is called as	A. Fluctuate B. Carrier wave C. Matter wave D. Mechanical wave
2	The phase difference between current and voltage in an inductive circuit is.	A. zero B. 90 ^o C. 180 ^o D. 45^o
3	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
4	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
5	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
6	The phase angle of a series RLC circult at resonant frequency is	A. 1/2 B. sigma C. Zero D. sigma /4
7	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
8	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capisitor D. Transistor
9	Power dissipation in A.C circuit is expressed as:	A. P =I_{rms} x V_{rms} Sinθ B. IxVCosθ C. I_{rms}xV_{rms}Cosθ D. I_{rms} x V_{rms} Sin2θ
10	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Botha a and b D. Reaches in short time
11	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
12	The combined effect of resistance and reactance is knows as.	A. Inductance B. Conductance C. Resistance D. Impedance
13	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10⁶ B. 0 C. 10[◦] D. Maximum
14	The condition of resonance is:	A. XL = 1/2 Xc B. X_L = X_c C. X_c = 4_{x2} D. None of above
		A. Peak to peak value

15	The highest value reached by the voltage or current is one cycle is called:	B. Peak value C. Instantaneous value D. Root mean square value
16	Impedance is denoted by:	A. A B. Z C. P D. Q
17	In modulation, low frequency signal is known as	A. Carrier wave B. fluctuated signal C. Modulated carrier signal D. Modulation signal
18	The AC system is preferred to DC system because:	A. AC voltage can be easily changed in magnitude B. DC motor angular velocity is affected badly C. High voltage AC transmission is less efficient D. Domestic appliance require AC voltage for their operation
19	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor
20	The effective value of any sinusoidal alternating current or voltage is	D. None of the above