Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor
3	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
4	In AC system we generate sine wave form because:	A. It san be easily draw B. It produces least disturbance in electrical circuits C. It is nature standard D. Other waves cannot be produced easily
5	In three phase A.C supply coils are inclined at an angle of.	A. 0^o B. 90^o C. 120^o D. 80^o
6	Phase difference between V and I of an A.C through resistor is.	A. Zero Degree B. 90 ^o C. 80^o D. 120^o
7	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
8	In an LRC circiut, the capacitance is made one-fourth, when an resonance . Then what should be change in inductance, so that the circuit remain in resonance?	A. 4 times B. 1/4 times C. 8 times D. 2 times
9	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
10	The natural frequency of L.C circuit is equal to	
11	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
12	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10⁶ B. 0 C. 10[◦] D. Maximum
13	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
14	An alternating quantity (voltage or current) is completely known if we know its:	A. Maximum B. Frequency and phase C. Effective value D. Both (a) & (b)
		A. At 0^o with each other

15	In case of A.C. through resistor V and I are	B. At 180 ^o with each other C. At 90^o with each other D. At 270 ^o with each other
16	The reactance is the ratio of	A. V_{rms}/I_{rms} B. V_{rms} x I_{rms} C. I_{rms}/V_{rms} D. V_{max} x V_{rms}
17	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45^o B. 90^o C. 120^o D. 60^o
18	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
19	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance C. It is cheaper to use D. ALl of above
20	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90^o B. 270^o C. 0^o D. 180^o