Physics FSC 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	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
3	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
4	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
5	The combined effect of resistance and reactance in circuit is called:	A. Impedance B. Inductance C. Capacitance D. None of above
6	The combined effect of resistance and reactance is knows as.	A. Inductance B. Conductance C. Resistance D. Impedance
7	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
8	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum
9	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
10	The power factor of RL series circuit is.	A. 0 B. 1 C. Less then 1 D. More than one
11	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
12	An alternating voltage is given by 20 sin 157 t. Th efrequency of alternating voltage is:	A. 50 Hz B. 25Hz C. 100 Hz D. 75 Hz
13	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
14	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery

		C. Thermistor D. Capacitor
15	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
16	The peak to peak value of alternating voltage is	A. 2V_o B. V_o D. None of these
17	The phase difference between current and voltage in an inductive circuit is.	A. zero B. 90 ^o C. 180 ^o D. 45^o
18	Unit of impedance is:	A. Ohm B. Ohm⁻¹ C. no unit D. Ohm m⁻¹
19	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
20	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance