Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
2	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
3	Unit of impedance is:	A. Ohm B. Ohm⁻¹ C. no unit D. Ohm m⁻¹
4	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
5	when an inductor comes close to a metallic object, its inductance is.	A. Decreased B. Increased C. Becomes half D. Becomes 4 times
6	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
7	An electromagnetic wave goes from air to glass which of the following does not change?	A. Radio waves B. X-rays C. Ultra violet radiation D. Ultra sond waves
8	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
9	The condition of resonance is:	A. XL = 1/2 Xc B. X_L = X_c C. X_c = 4_{x2} D. None of above
10	The resonance frequency is given by:	A. fr = 2π√LC B. fr = 1/2πLC C. fr = 1/ 2π√LC D. f1 = 1/ 2πC√L
11	The phase difference between the current and voltage at resonce is:	A. 0 B. π C. -π D. π/2
12	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
13	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
14	The most common source of an A.C. Voltage is.	A. Motor B. Cell C. Generator

		D. Thermo couple
15	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
16	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
17	The combined effect of resistance and reactance is knows as.	A. Inductance B. Conductance C. Resistance D. Impedance
18	The A.M. transmission frequencies range from	A. 540 KHz to 1000 KHz B. 540 Khz to 1600 KHz C. 520 KHz TO 1600 KHz D. 520 KHz TO 1400 KHz
19	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
20	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential