Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	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=∞
3	The highest value reached by the voltage or current in one cycle is called.	A. Peak ot peak value B. Peak value C. Instantaneous value D. Root mean square value
4	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
5	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
6	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
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	If V_{rms} be the root mean square value of emf then its peak to peak value is given by	
9	X_L=	A. 2πfL B. 1/2πfL C. 2πfL D. fL/2π
10	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
11	The peak to peak value of alternating voltage is	A. $2V_o$ B. V_o D. None of these
12	The peak value of A.C source is 20 A, then its rms value will be.	A. 14.1 A B. 10 A C. 20 A D. 28.2 A
13	The phase difference between the current and voltage at resonce is:	A. 0 B. π C. -π D. π/2
14	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these

15	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
16	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
17	The natural frequency of L.C circuit is equal to	
18	The reactance of inductor depends upon	A. L D. All of the above
19	The velocity of an oscillating charge as it moves to and fro along a wire is.	A. Changing B. Constant C. Infinite D. zero
20	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45° B. 90° C. 120° D. 60°