Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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=>∞
2	The main use of A.C is	A. Minimum line losses B. Long distance transmission C. Stepping up to required voltage only D. Steeping down to required voltage only
3	If I_o is the peak value of current, then its root mean square value is given by	B. 2 I_o C. I_o D. 0.7 I_o
4	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
5	The unit of impedance is.	A. Henry B. Hertz C. Ampere D. Ohm
6	The reactance of inductor depends upon	A. L D. All of the above
7	When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. It impedance is.	A. 100 Ohm B. 10 Ohm C. 1000 Ohm D. 1 Ohm
8	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
9	The resonance frequency is given by:	A. fr = 2π√LC B. fr = 1/2πLC C. fr = 1/ 2π√LC D. f1 = 1/ 2πC√L
10	when an inductor comes close to a metallic object, its inductance is.	A. Decreased B. Increased C. Becomes half D. Becomes 4 times
11	The value of capacitive reactance is given by	A. Xc = VI B. xc= 1/wc or xc= wL C. xc= 1*wc or xc=Lw D. All of above
12	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capisitor D. Transistor
13	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive D. Modulative
14	At high frequency, the current through a capacitor is	A. Small B. Infinity C. Zero D. Large

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 phase angle of a series RLC circult at resonant frequency is	A. 1/2 B. sigma C. Zero D. sigma /4
17	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
18	The phase difference between the current and voltage at resonce is:	A. 0 B. π C. -π D. π/2
19	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
20	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