Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
2	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10⁶ B. 0 C. 10[◦] D. Maximum
3	Unit of impedance is:	A. Ohm B. Ohm⁻¹ C. no unit D. Ohm m⁻¹
4	Electron vibrating 94,000 times each second will produce radio waves of frequency.	A. 94 Hz B. 940 HZ C. 94 Hz D. 490 Hz
5	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
6	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
7	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
8	The flow of D.C current is opposed by	A. Resistor B. Induction C. Capacitor D. All of these
9	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
10	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)
11	X_L=	A. 2πfL B. 1/2πfL C. 2πfL D. fL/2π
12	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
13	The most common source of an A.C. Voltage is.	A. Motor B. Cell C. Generator D. Thermo couple
14	In modulation, low frequency signal is known as	A. Carrier wave B. fluctuated signal C. Modulated carrier signal D. Modulation signal
15	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

16	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
17	The expression P = VI hold only when current and voltage are.	A. In phase B. Out of phase C. At right angle to each other D. At angle of 120 ^o
18	The peak value of alternating current is 5√**2** A. The mean square value of current will be:	A. 5A B. 2.5A C. 5√2A D. 5²
19	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
20	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor