

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The velocity of an oscillating charge as it moves to and fro along a wire is.	A. Changing B. Constant C. Infinite D. zero
2	The most common source of an A.C. Voltage is.	A. Motor B. Cell C. Generator D. Thermo couple
3	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
4	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
5	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor
6	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
7	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90° B. 270° C. 0° D. 180°
8	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
9	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
10	The natural frequency of L.C circuit is equal to	
11	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
12	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
13	$X_C =$	A. $\frac{1}{2\pi fC}$ B. $2\pi fC$ C. $2\pi/fC$ D. $fC/2\pi$
14	If I_0 is the peak value of current, then its root mean square value is given by	B. $2 I_{sub>0</sub>}$ C. $I_{sub>0</sub>}$ D. $0.7 I_{sub>0</sub>}$
15	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 sound waves
16	In three phase voltage across any two lines is about.	A. 220 V B. 230 V C. 400 V D. 420 V

		D. 430 V
17	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. I2 D. Nil
18	An alternating voltage is given by $20 \sin 157 t$. The frequency of alternating voltage is:	A. 50 Hz B. 25Hz C. 100 Hz D. 75 Hz
19	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
20	$V_{rms} =$	A. $0.7V$ B. $0.07V$ C. $0.007V$ D. $0.75V$