

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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)
2	An inductor of 1 henry inductance has a reactance 500 ohms, then the frequency required is approximately	A. 50 Hz B. 100 Hz C. 80 Hz D. 120 Hz
3	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor
4	The slope of q-t curve at any instant of time gives.	A. Voltage B. Current C. Charge D. Both a and b
5	Unit of impedance is:	A. Ohm B. Ohm ⁻¹ C. no unit D. Ohm m ⁻¹
6	The phase angle of a series RLC circuit at resonant frequency is	A. 1/2 B. sigma C. Zero D. sigma /4
7	V _{rms} =	A. 0.7V B. 0.07V C. 0.007V D. 0.75V
8	High frequency radio wave is called as	A. Fluctuate B. Carrier wave C. Matter wave D. Mechanical wave
9	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
10	The phase difference between current and voltage in an inductive circuit is.	A. zero B. 90° C. 180° D. 45°
11	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
12	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
13	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A
14	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
15	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will	A. 5A B. 2.5A C. $5\sqrt{2}$ A

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16	In the capacitive circuit of A.C. quantity when $q=0$ the slope of q-t curve is.	A. Maximum B. Minimum C. Zero D. Negative
17	In three phase A.C supply coils are inclined at an angle of.	A. 0° B. 90° C. 120° D. 80°
18	In RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
19	The natural frequency of L.C circuit is equal to	
20	If V_{rms} be the root mean square value of emf then its peak to peak value is given by	