

Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The inductive reactance of a coil is direction proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
2	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
3	In modulation, low frequency signal is known as	A. Carrier wave B. fluctuated signal C. Modulated carrier signal D. Modulation signal
4	A capacitor is perfectly insulator for:	A. Direct currentB. Alternating currentC. Direct as well as alternating currentD. None of these
5	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
6	In case of A.C. through resistor V and I are	A. At 0 ^o with each other B. At 180 ^o with each other C. At 90 ^o with each other D. At 270 ^o with each other
7	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
8	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
9	For electromagnetic waves, Maxwell generalized	A. Gauses law for magnetismB. Gauses law for eletricityC. Fradays lawD. Amperes law
10	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
11	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
12	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
13	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
14	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
15	The power factor of RL series circuit is.	A. 0 B. 1 C. Less then 1 D. More than one
16	The condition of resonance is:	A. XL = 1/2 Xc B. X _L = X _c C. X _c = 4 _{x2} D. None of above
17	In a pure inductive A.C. circuit the current.	A. Lags behind voltage by 90 ^o B. Leads the voltage by 90 ^o C. In phase with voltage D. Leads the voltage by 270 ^o
18	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
19	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
20	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