

Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90° B. 270° C. 0° D. 180°
2	In a pure inductive A.C. circuit the current.	A. Lags behind voltage by 90° B. Leads the voltage by 90° C. In phase with voltage D. Leads the voltage by 270°
3	The power factor of RL series circuit is.	A. 0 B. 1 C. Less than 1 D. More than one
4	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
5	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
6	The reactance is the ratio of	A. V_{rms}/I_{rms} B. $V_{rms} \times I_{rms}$ C. I_{rms}/V_{rms} D. $V_{max} \times V_{rms}$
7	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
8	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
9	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45° B. 90° C. 120° D. 60°
10	In three phase A.C supply coils are inclined at an angle of.	A. 0° B. 90° C. 120° D. 80°
11	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
12	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
13	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
14	In pure capacitor A.C. circuit, the current I and charge q are.	A. In phase B. Out of phase C. Parallel to each other D. None of above

15	An inductor of 1 henry inductance has a reactance 500 ohms, then the frequency required is approximately	<p>A. 50 Hz B. 100 Hz C. 80 Hz D. 120 Hz</p>
16	Unit of impedance is:	<p>A. Ohm B. Ohm^{-1} C. no unit D. Ohm m^{-1}</p>
17	Electro magnetic waves emitted from radio antenna are.	<p>A. Stationary B. Longitudinal C. Transvers D. Both a and b</p>
18	The phase difference between the current and voltage at resonance is:	<p>A. 0 B. π C. $-\pi$ D. $\pi/2$</p>
19	$X_c =$	<p>A. $1/2\pi fc$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$</p>
20	An electromagnetic wave goes from air to glass which of the following does not change?	<p>A. Radio waves B. X-rays C. Ultra violet radiation D. Ultra sound waves</p>