

Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	In purely resistive A.C circuit, instantaneous value of voltage and current:	A. Current lags behind voltage B. Current leads voltage by $\pi/2$ C. Both are in Phase D. Voltage leads current by $\pi/2$
2	The highest value reached by the voltage or current in one cycle is called.	A. Peak of peak value B. Peak value C. Instantaneous value D. Root mean square value
3	A capacitor is perfectly insulator for:	A. Direct current B. Alternating current C. Direct as well as alternating current D. None of these
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	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
6	The natural frequency of L.C circuit is equal to	
7	The circuit which compares the two voltages is.	A. LDR B. Sensor C. Comparator D. Logic gate
8	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
9	At high frequency, the current through a capacitor is	A. Small B. Infinity C. Zero D. Large
10	The reactance is the ratio of	A. V_{rms}/I_{rms} B. $V_{rms} \times I_{rms}$ C. I_{rms}/V_{rms} D. $V_{max} \times V_{rms}$
11	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
12	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
13	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90° B. 270° C. 0° D. 180°
14	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
15	The combined effect of resistance and reactance in circuit is called:	A. Impedance B. Inductance C. Capacitance D. None of above
16	The highest value reached by the voltage or current is one cycle is called:	A. Peak to peak value B. Peak value C. Instantaneous value

		D. Root mean square value
17	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Both a and b D. Reaches in short time
18	An inductor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
19	Electromagnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transversal D. Both a and b
20	If V_{rms} be the root mean square value of emf then its peak value is given by	