

## Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	If $I_0$ is the peak value of current, then its root mean square value is given by	B. $\frac{I_0}{\sqrt{2}}$ C. $\frac{I_0}{2}$ D. $0.7 I_0$
3	The natural frequency of L.C circuit is equal to	
4	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
5	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive D. Modulative
6	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
7	In case of A.C. through resistor V and I are	A. At 0° with each other B. At 180° with each other C. At 90° with each other D. At 270° with each other
8	The flow of D.C current is opposed by	A. Resistor B. Induction C. Capacitor D. All of these
9	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
10	The highest value reached by the voltage or current in one cycle is called:	A. Peak to peak value B. Peak value C. Instantaneous value D. Root mean square value
11	100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is.	A. 30.8 Ohm B. 31.8 Ohm C. 34.8 Ohm D. 40 Ohm
12	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
13	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
14	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
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 RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
17	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. $10^6$ B. 0 C. $10^0$ D. Maximum
18	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
19	In AC system we generate sine wave form because:	A. It can be easily draw B. It produces least disturbance in electrical circuits C. It is nature standard D. Other waves cannot be produced easily
20	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these