

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

Sr	Questions	Answers Choice
1	The combined effect of resistance and reactance in circuit is called:	A. Impedance B. Inductance C. Capacitance D. None of above
2	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
3	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance C. It is cheaper to use D. All of above
4	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
5	$X_L$ is low for low frequency $F$ but $X_C$ is.	A. Zero B. Low C. High D. Same is H
6	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
7	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
8	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
9	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
10	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. 12 D. Nil
11	The combined effect of resistance and reactance is known as.	A. Inductance B. Conductance C. Resistance D. Impedance
12	The peak value of A.C source is 20 A, then its rms value will be.	A. 14.1 A B. 10 A C. 20 A D. 28.2 A
13	For electromagnetic waves, Maxwell generalized	A. Gauss law for magnetism B. Gauss law for electricity C. Faraday's law D. Ampere's law
14	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
15	If $V_{rms}$ be the root mean square value of emf then its peak to peak value is given by	
16	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite

17	Electron vibrating 94,000 times each second will produce radio waves of frequency.	A. 94 Hz B. 940 HZ C. 94 Hz D. 490 Hz
18	In AC system we generate sine wave form because:	A. It can be easily drawn B. It produces least disturbance in electrical circuits C. It is nature standard D. Other waves cannot be produced easily
19	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
20	Phase difference between V and I of an A.C through resistor is.	A. Zero Degree B. 90° C. 80° D. 120°