

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The most common source of an A.C. Voltage is.	A. Motor B. Cell C. Generator D. Thermo couple
2	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
3	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
4	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
5	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
6	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
7	Power dissipation in A.C circuit is expressed as:	A. $P = I_{rms} \times V_{rms} \sin\theta$ B. $I V \cos\theta$ C. $I_{rms} \times V_{rms} \cos\theta$ D. $I_{rms} \times V_{rms} \sin 2\theta$
8	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
9	The AC system is preferred to DC system because:	A. AC voltage can be easily changed in magnitude B. DC motor angular velocity is affected badly C. High voltage AC transmission is less efficient D. Domestic appliance require AC voltage for their operation
10	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
11	A capacitor is perfectly insulator for:	A. Direct current B. Alternating current C. Direct as well as alternating current D. None of these
12	Impedance is denoted by:	A. A B. Z C. P D. Q
13	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
14	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor

15	The reactance is the ratio of	<p>A. $V_{\text{rms}}/I_{\text{rms}}$</p> <p>B. $V_{\text{rms}} \times I_{\text{rms}}$</p> <p>C. $I_{\text{rms}}/V_{\text{rms}}$</p> <p>D. $V_{\text{max}} \times V_{\text{rms}}$</p>
16	In metal detector, we use.	<p>A. L-C circuit</p> <p>B. R-L circuit</p> <p>C. R-C circuit</p> <p>D. RLC series circuit</p>
17	In RLC circuit the energy is dissipated in	<p>A. R only</p> <p>B. R and L</p> <p>C. R and C</p> <p>D. L and C</p>
18	The phase angle of a series RLC circuit at resonant frequency is	<p>A. $1/2$</p> <p>B. π</p> <p>C. Zero</p> <p>D. $\pi/4$</p>
19	During each cycle A.C. voltage reaches a peak value.	<p>A. Once</p> <p>B. Twice</p> <p>C. Thrice</p> <p>D. Four time</p>
20	An electromagnetic wave goes from air to glass which of the following does not change?	<p>A. Radio waves</p> <p>B. X-rays</p> <p>C. Ultra violet radiation</p> <p>D. Ultra sound waves</p>