

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
2	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
3	In LR circuit which one of the following statements is correct?	A. L and R opposes each other B. R value increases with frequency C. The inductive reactance increases with frequency D. The inductive reactance decreases with frequency
4	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
5	A capacitor is perfectly insulator for:	A. Direct current B. Alternating current C. Direct as well as alternating current D. None of these
6	The natural frequency of L.C circuit is equal to	
7	Unit of impedance is:	A. Ohm B. Ohm ⁻¹ C. no unit D. Ohm m ⁻¹
8	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
9	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
10	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
11	An alternating quantity (voltage or current) is completely known if we know its:	A. Maximum B. Frequency and phase C. Effective value D. Both (a) & (b)
12	X_L is low for low frequency F but X_C is.	A. Zero B. Low C. High D. Same is H
13	When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. Its impedance is.	A. 100 Ohm B. 10 Ohm C. 1000 Ohm D. 1 Ohm
14	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
15	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
16	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

17	The value of capacitive reactance is given by	A. $X_C = VI$ B. $X_C = 1/\omega C$ or $X_C = \omega L$ C. $X_C = 1/\omega C$ or $X_C = L\omega$ D. All of above
18	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
19	The expression $P = VI$ hold only when current and voltage are.	A. In phase B. Out of phase C. At right angle to each other D. At angle of 120°
20	$X_L =$	A. $2\pi fL$ B. $1/2\pi fL$ C. $2\pi fL$ D. $fL/2\pi$