

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
2	The resonance frequency is given by:	A. $f_r = 2\pi\sqrt{LC}$ B. $f_r = 1/2\pi\sqrt{LC}$ C. $f_r = 1/2\pi\sqrt{LC}$ D. $f_1 = 1/2\pi\sqrt{C/L}$
3	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
4	In the capacitive circuit of A.C. quantity when $q=0$ the slope of $q-t$ curve is.	A. Maximum B. Minimum C. Zero D. Negative
5	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
6	Direct current can not flow through.	A. Inductor B. Resistor C. Transistor D. Capacitor
7	$X_L =$	A. $2\pi f L$ B. $1/2\pi f L$ C. $2\pi f L$ D. $f L/2\pi$
8	Phase difference between V and I of an A.C through resistor is.	A. Zero Degree B. 90° C. 80° D. 120°
9	Impedance is denoted by:	A. A B. Z C. P D. Q
10	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
11	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
12	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
13	The phase angle of a series RLC circuit at resonant frequency is	A. 1/2 B. sigma C. Zero D. $\sigma/4$
14	Power dissipated in a pure inductor is.	A. Large B. Small C. Infinite D. Zero
15	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz

16 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

17 The highest value reached by the voltage or current in one cycle is called.
A. Peak or peak value
B. Peak value
C. Instantaneous value
D. Root mean square value

18 The unit of impedance is
A. Farad
B. Henry
C. Tesla
D. Ohm

19 The mean value of A.C. in a cycle is.
A. 1
B. 0
C. I_2
D. Nil

20 In A.C circuit through a capacitor which one is:
A. Current leads voltage by 90°
B. Current lags behind voltage by 90°
C. Both will be in phase
D. None of above