

Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The power factor of RL series circuit is.	A. 0 B. 1 C. Less than 1 D. More than one
2	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
3	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
4	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
5	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
6	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum
7	In choke coil the resistance X_L an resistance R are:	A. $X_L = R$ B. $X_L < R$ C. $X_L > R$ D. $X_L = \infty$
8	In an LRC circuit, the capacitance is made one-fourth, when an resonance . Then what should be change in inductance, so that the circuit remain in resonance?	A. 4 times B. 1/4 times C. 8 times D. 2 times
9	The slope of q-t curve at any instant of time gives.	A. Voltage B. Current C. Charge D. Both a and b
10	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
11	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
12	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45° B. 90° C. 120° D. 60°
13	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

14 An inductor may store energy in
A. Its magnetic field
B. Its coil
C. Its electric field
D. A neighboring circuit

15 In RLC circuit the energy is dissipated in
A. R only
B. R and L
C. R and C
D. L and C

16 The condition of resonance is:
A. $XL = 1/2 Xc$
B. $X_{L} = X_{C}$
C. $X_{C} = 4X_{L}$
D. None of above

17 The A.M. transmission frequencies range from
A. 540 KHz to 1000 KHz
B. 540 KHz to 1600 KHz
C. 520 KHz TO 1600 KHz
D. 520 KHz TO 1400 KHz

18 The velocity of an oscillating charge as it moves to and fro along a wire is.
A. Changing
B. Constant
C. Infinite
D. zero

19 X_L is low for low frequency F but X_C is.
A. Zero
B. Low
C. High
D. Same as H

20 At resonance, the behavior of R-L-C series circuit is.
A. Resistive
B. Capacitive
C. Inductive
D. Modulative
