

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	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
3	The condition of resonance is:	A. $X_L = 1/2 X_c$ B. $X_{L} = X_{c}$ C. $X_{c} = 4x_{2}$ D. None of above
4	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
5	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
6	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10^6 B. 0 C. $10^>$ D. Maximum
7	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
8	The combined effect of resistance and reactance is known as.	A. Inductance B. Conductance C. Resistance D. Impedance
9	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
10	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. $I_{rms} \times V_{rms} \sin 2\theta$
11	$X_c =$	A. $1/2\pi fc$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$
12	The phase angle of a series RLC circuit at resonant frequency is	A. $1/2$ B. σ C. Zero D. $\sigma / 4$
13	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
14	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. Diode

D. All of these

15 In case of capacitor, the unit of reactance is

- A. Farad
- B. Ohm
- C. Newton
- D. All of these

16 100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is.

- A. 30.8 Ohm
- B. 31.8 Ohm
- C. 34.8 Ohm
- D. 40 Ohm

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 A resistance frequency the impedance of RLC parallel circuit is.

- A. Zero
- B. Infinite
- C. Maximum
- D. Minimum

19 The combined effect of resistance and reactance in circuit is called:

- A. Impedance
- B. Inductance
- C. Capacitance
- D. None of above

20 In frequency modulation, the amplitude of carrier waves is

- A. Increases
- B. Remains constant
- C. Decreases
- D. None of these