## Physics ICS Part 2 Chapter 16 Online MCQ's Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | The unit of impedance is | A. Farad<br>B. Henry<br>C. Tesla<br>D. Ohm |
| 2 | SI unit of reactance is. | A. Ohm<br>B. Mho<br>C. Farad<br>D. Henry |
| 3 | $X_1$ is low for low frequency Fy but Xc is. | A. Zero<br>B. Low<br>C. High<br>D. Same is H |
| 4 | In modulation, low frequency signal is known as | A. Carrier wave<br>B. fluctuated signal<br>C. Modulated carrier signal<br>D. Modulation signal |
| 5 | An inductor of 1 henry inductance has a reactance 500 ohms, then the frequency required is approximately | A. 50 Hz<br>B. 100 Hz<br>C. 80 Hz<br>D. 120 Hz |
| 6 | The peak to peak value of alternating voltage is | A. $2V_o$<br>B. $V_o$<br>D. None of these |
| 7 | In three phase voltage across any two lines is about. | A. 220 V<br>B. 230 V<br>C. 400 V<br>D. 430 V |
| 8 | The basic circuit element in A.C. circuit which controls current. | A. Resistor only<br>B. Capacitor only<br>C. Inductor only<br>D. All of these |
| 9 | Choke consumes extremely small | A. Current<br>B. Charge<br>C. Power<br>D. Potential |
| 10 | Power dissipated in a pure inductor is. | A. Large<br>B. Small<br>C. Infinite<br>D. Zero |
| 11 | Resistance of choke is | A. zero<br>B. Large<br>C. Very small<br>D. Infinite |
| 12 | In case of A.C. through resistor V and I are | A. At $0^o$ with each other<br>B. At $180^o$ with each other<br>C. At $90^o$ with each other<br>D. At $270^o$ with each other |
| 13 | An A.C. voltmeter reads 220 V, its peak value will be | A. 225 V<br>B. 240 V<br>C. 311.12 V<br>D. 300 V |
| 14 | The effective value of any sinusoidal alternating current or voltage is | D. None of the above |
| 15 | In AC system we generate sine wave form because: | A. It san be easily draw<br>B. It produces least disturbance in electrical circuits<br>C. It is nature standard<br>D. Other waves cannot be produced easily |

| 16 | In an LRC circiut, 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<br>B. 1/4 times<br>C. 8 times<br>D. 2 times |
| --- | --- | --- |
| 17 | The velocity of an oscillating charge as it moves to and fro along a wire is. | A. Changing<br>B. Constant<br>C. Infinite<br>D. zero |
| 18 | The reactance of inductor depends upon | A. L<br>D. All of the above |
| 19 | The reactance is the ratio of | A. $V_{rms}$/$I_{rms}$<br>B. $V_{rms}$ x $I_{rms}$<br>C. $I_{rms}$/$V_{rms}$<br>D. $V_{max}$ x $V_{rms}$ |
| 20 | In three phase A.C. generator the phase difference between each pair of coil is. | A. $45^{o}$<br>B. $90^{o}$<br>C. $120^{o}$<br>D. $60^{o}$ |