

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

Sr	Questions	Answers Choice
1	The reactance is the ratio of	A. $V_{rms}/I_{rms}$ B. $V_{rms} \times I_{rms}$ C. $I_{rms}/V_{rms}$ D. $V_{max} \times V_{rms}$
2	In case of A.C. through resistor V and I are	A. At $0^\circ$ with each other B. At $180^\circ$ with each other C. At $90^\circ$ with each other D. At $270^\circ$ with each other
3	If $I_0$ is the peak value of current, then its root mean square value is given by	B. $2 I_0$ C. $I_0$ D. $0.7 I_0$
4	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
5	In three phase A.C supply coils are inclined at an angle of.	A. $0^\circ$ B. $90^\circ$ C. $120^\circ$ D. $80^\circ$
6	In AC system we generate sine wave form because:	A. It can be easily draw B. It produces least disturbance in electrical circuits C. It is nature standard D. Other waves cannot be produced easily
7	when an inductor comes close to a metallic object, its inductance is.	A. Decreased B. Increased C. Becomes half D. Becomes 4 times
8	$V_{rms} =$	A. $0.7V_0$ B. $0.07V_0$ C. $0.007V_0$ D. $0.75V_0$
9	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
10	$X_c =$	A. $1/2\pi fc$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$
11	The highest value reached by the voltage or current in one cycle is called.	A. Peak of peak value B. Peak value C. Instantaneous value D. Root mean square value
12	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
13	$X_L$ is low for low frequency $f$ but $X_c$ is.	A. Zero B. Low C. High D. Same is H
14	For electromagnetic waves, Maxwell generalized	A. Gausse law for magnetism B. Gausse law for electricity C. Fradays law D. Ampere law

D. Amperes law

15	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. I2 D. Nil
16	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
17	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance C. It is cheaper to use D. All of above
18	At resonance frequency, the impedance of RLC series circuit is.	A. Maximum B. Minimum C. Zero D. Infinite
19	The peak to peak value of alternating voltage is	A. $2V_{\text{rms}}$ B. $V_{\text{rms}}$ D. None of these
20	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve