

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

Sr	Questions	Answers Choice
1	The phase difference between the current and voltage at resonce is:	A. 0 B. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">π</span> Cspan style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">π D. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">π/2</span>
2	In A.C circuit through a capacitor which one is:	A. Current leads voltage by 90 <sup> </sup> B. Current lags behind voltage by 90 <sup> </sup> C. Both will be in phase D. None of above
3	In purely resistive A.C circuit, instantaneous value of voltage and current:	A. Current lags behind voltage B. Current leads voltage by π/2 C. Both are in Phase D. Voltage leads current by Pase θ=π/2
4	In A.C circuit of inductor which one is true	A. Voltage leads current by phase angle π/2 B. Voltage lags current by π/2 C. Current leads voltage by π/2 D. Both remain in phase
5	In three phase A.C supply coils are inclined at an angle of.	A. 0 <sup>o</sup> B. 90 <sup>o</sup> C. 120 <sup>o</sup> D. 80 <sup>o</sup>
6	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
7	The value of capacitive reactance is given by	A. Xc = VI B. xc= 1/wc or xc= wL C. xc= 1*wc or xc=Lw D. All of above
8	An electromagnetic wave goes from air to glass which of the following does not change?	A. Radio waves B. X-rays C. Ultra violet radiation D. Ultra sond waves
9	If the frequency of A.C. supplied is doubled then the capacitive reactance becomes.	A. Half B. Two C. Four times D. One fourth
10	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
11	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Botha a and b D. Reaches in short time
12	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10 <sup>6</sup> B. 0 C. 10 <sup>∘</sup> D. Maximum
13	The phase difference between current and voltage in an inductive circuit is.	A. zero B. 90 <sup>o</sup> C. 180 <sup>o</sup>

		D. 45 <sup>o</sup>
14	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
15	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum
16	For electromagnetic waves, Maxwell generalized	A. Gauses law for magnetism B. Gauses law for eletricity C. Fradays law D. Amperes law
17	In LR circiut 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
18	Xc =	A. 1/2πfc B. 2πfc C. 2π/fc D. fc/2π
19	A capacitor is perfectly insulator for:	A. Direct current B. Alternating current C. Direct as well as alternating current D. None of these
20	In frequency modulation which factor changed.	A. Amplitude of charge carriers     B. Frequency of charge carriers     C. Amplitude of signal     D. Frequency of signal