

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

Sr	Questions	Answers Choice
OI .	Questions	
1	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
2	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
3	The expression P = VI hold only when current and voltage are.	A. In phase B. Out of phase C. At right angle to each other D. At angle of 120 <sup>o</sup>
4	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C1 D. 2
5	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. <div>Resistor</div> B. Inductor C. <div>Capisitor</div> D. Transistor
6	The combined effect of resistance and reactance in circuit is called:	A. Impedance B. Inductance C. Capacitance D. None of above
7	An inductor of 1 henry inductance has a reactance 500 ohms, then the frequency required is approximately	A. 50 Hz B. 100 Hz C. 80 Hz D. 120 Hz
8	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
9	The highest value reached by the voltage or current is one cycle is called:	A. Peak to peak value     B. Peak value     C. <div>Instantaneous value</div> D. Root mean square value
10	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
11	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
12	If $V_{\text{rms}}$ be the root mean square value of emf then its peak to peak value is given by	
13	At resonance frequency, the impedance of RLC series circuit is.	A. Maximum B. Minimum C. Zero D. Infinite
14	In AC system we generate sine wave form because:	A. It san be easily draw     B. It produces least disturbance in electrical circuits     C. It is nature standard     D. Other waves cannot be produced
15	The highest value reached by the voltage or current in one cycle is called.	A. Peak ot peak value B. Peak value C. Instantaneous value D. Root mean square value

16	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive D. Modulative
17	The power factor of RL series circuit is.	A. 0 B. 1 C. Less then 1 D. More than one
18	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
19	Xc =	<ul><li>A. 1/2πfc</li><li>B. 2πfc</li><li>C. 2π/fc</li><li>D. fc/2π</li></ul>
20	In a pure inductive A.C. circuit the current.	A. Lags behind voltage by 90 <sup>o</sup> B. Leads the voltage by 90 <sup>o</sup> C. In phase with voltage D. Leads the voltage by 270 <sup>o</sup>