

Physics FSC Part 2 Chapter 16 Online MCQ's Test

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Sr	Questions	Answers Choice
1	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
2	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
3	When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. It impedance is.	A. 100 Ohm B. 10 Ohm C. 1000 Ohm D. 1 Ohm
4	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
5	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
6	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
7	The power factor of RL series circuit is.	A. 0 B. 1 C. Less then 1 D. More than one
8	when an inductor comes close to a metallic object, its inductance is.	A. Decreased B. Increased C. Becomes half D. Becomes 4 times
9	If V_{rms} be the root mean square value of emf then its peak to peak value is given by	
10	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
11	The peak to peak value of alternating voltage is	A. 2V _o B. V _o D. None of these
12	Impedance is denoted by:	A. A B. Z C. P D. Q
13	Power dissipation is a pure inductive or in a pure capacitance circuit is:	A. 10 ⁶ B. 0 C. 10 [∘] D. Maximum
14	High frequency radio wave is called as	A. Fluctuate B. Carrier wave C. Matter wave D. Mechanical wave
15	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90 ^o B. 270 ^o C. 0 ^o D. 180 ^o
16	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. ALI of above
17	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
18	An alternating voltage is given by 20 sin 157 t. Th efrequency of alternating voltage is:	A. 50 Hz B. 25Hz C. 100 Hz D. 75 Hz
19	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45 ^o B. 90 ^o C. 120 ^o D. 60 ^o
20	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value