

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

Sr	Questions	Answers Choice
1	The phase difference between the current and voltage at resonance is:	<p>A. 0</p> <p>B. <math>\pi</math></p> <p>C. <math>\frac{\pi}{2}</math></p> <p>D. <math>\frac{\pi}{4}</math></p>
2	In metal detector, we use.	<p>A. L-C circuit</p> <p>B. R-L circuit</p> <p>C. R-C circuit</p> <p>D. RLC series circuit</p>
3	Which consumes small power.	<p>A. Inductor</p> <p>B. Resistor</p> <p>C. Motor</p> <p>D. All of these</p>
4	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
5	High frequency radio wave is called as	<p>A. Fluctuate</p> <p>B. Carrier wave</p> <p>C. Matter wave</p> <p>D. Mechanical wave</p>
6	A capacitor is perfectly insulator for:	<p>A. Direct current</p> <p>B. Alternating current</p> <p>C. Direct as well as alternating current</p> <p>D. None of these</p>
7	Direct current can not flow through.	<p>A. Inductor</p> <p>B. Resistor</p> <p>C. Transistor</p> <p>D. Capacitor</p>
8	The highest value reached by the voltage or current in one cycle is called:	<p>A. Peak to peak value</p> <p>B. Peak value</p> <p>C. Instantaneous value</p> <p>D. Root mean square value</p>
9	The slope of q-t curve at any instant of time gives.	<p>A. Voltage</p> <p>B. Current</p> <p>C. Charge</p> <p>D. Both a and b</p>
10	The mean value of A.C. in a cycle is.	<p>A. 1</p> <p>B. 0</p> <p>C. I<sub>2</sub></p> <p>D. Nil</p>
11	The natural frequency of L.C circuit is equal to	
12	In A.C circuit through a capacitor which one is:	<p>A. Current leads voltage by <math>90^\circ</math></p> <p>B. Current lags behind voltage by <math>90^\circ</math></p> <p>C. Both will be in phase</p> <p>D. None of above</p>
13	Resistance of choke is	<p>A. zero</p> <p>B. Large</p> <p>C. Very small</p> <p>D. Infinite</p>
14	At high frequency the value of reactance of capacitor will be.	<p>A. Small</p> <p>B. Zero</p> <p>C. Large</p> <p>D. Infinite</p>
		A. 540 KHz to 1000 KHz

15	The A.M. transmission frequencies range from	B. 540 KHz to 1600 KHz C. 520 KHz TO 1600 KHz D. 520 KHz TO 1400 KHz
16	Choke consumes extremely small	A. Current B. Charge C. Power D. Potential
17	At high frequency, the current through a capacitor is	A. Small B. Infinity C. Zero D. Large
18	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Both a and b D. Reaches in short time
19	Impedance is denoted by:	A. A&nbsp; B. Z C. P D. Q
20	The circuit which compares the two voltages is.	A. LDR B. Sensor C. Comparator D. Logic gate