

Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	In the capacitive circuit of A.C. quantity when $q=0$ the slope of $q-t$ curve is.	A. Maximum B. Minimum C. Zero D. Negative
2	The slope of $q-t$ curve at any instant of time gives.	A. Voltage B. Current C. Charge D. Both a and b
3	The peak to peak value of alternating voltage is	A. $2V_{\text{peak}}$ B. V_{peak} C. None of these
4	The device which allows only the continuous flow of AC through it is.	A. Inductor B. Battery C. Thermistor D. Capacitor
5	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator
6	In purely resistive A.C circuit, instantaneous value of voltage and current:	A. Current lags behind voltage B. Current leads voltage by $\pi/2$ C. Both are in Phase D. Voltage leads current by $\pi/2$
7	An alternating quantity (voltage or current) is completely known if we know its:	A. Maximum B. Frequency and phase C. Effective value D. Both (a) & (b)
8	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
9	In AC system we generate sine wave form because:	A. It can be easily drawn B. It produces least disturbance in electrical circuits C. It is nature standard D. Other waves cannot be produced easily
10	The inductive reactance of a coil is directly proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance
11	The main use of A.C is	A. Minimum line losses B. Long distance transmission C. Stepping up to required voltage only D. Stepping down to required voltage only
12	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capacitor D. Transistor
13	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
14	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite

15 Choke consumes extremely small
A. Current
B. Charge
C. Power
D. Potential

16 At resonance frequency, the impedance of RLC series circuit is.
A. Maximum
B. Minimum
C. Zero
D. Infinite

17 when an inductor comes close to a metallic object, its inductance is.
A. Decreased
B. Increased
C. Becomes half
D. Becomes 4 times

18 When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. Its impedance is.
A. 100 Ohm
B. 10 Ohm
C. 1000 Ohm
D. 1 Ohm

19 Unit of impedance is:
A. Ohm
B. Ohm⁻¹
C. no unit
D. Ohm m⁻¹

20 The natural frequency of L.C circuit is equal to