

Physics FSC Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	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. All of above
2	The electromagnetic spectrum contains	A. Radio waves B. X-rays C. Microwaves D. All of these
3	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
4	The unit of impedance is	A. Farad B. Henry C. Tesla D. Ohm
5	$X_C =$	A. $1/2\pi f C$ B. $2\pi f C$ C. $2\pi/f C$ D. $f C/2\pi$
6	In choke coil the resistance X_L an resistance R are:	A. $X_L = R$ B. $X_L < R$ C. $X_L > R$ D. $X_L = R$
7	In three phase A.C. generator the phase difference between each pair of coil is.	A. 45° B. 90° C. 120° D. 60°
8	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
9	The resonance frequency is given by:	A. $f_r = 2\pi\sqrt{LC}$ B. $f_r = 1/2\pi\sqrt{LC}$ C. $f_r = 1/2\pi\sqrt{LC}$ D. $f_r = 1/2\pi C\sqrt{L}$
10	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
11	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 sound waves
12	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
13	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
14	The A.M. transmission frequencies range from	A. 540 KHz to 1000 KHz B. 540 KHz to 1600 KHz C. 520 KHz TO 1600 KHz D. 520 KHz TO 1400 KHz
		A. Small

- 15 At high frequency the value of reactance of capacitor will be.
B. Zero
C. Large
D. Infinite
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- 16 In A.C circuit through a capacitor which one is:
A. Current leads voltage by 90°
B. Current lags behind voltage by 90°
C. Both will be in phase
D. None of above
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- 17 The internal resistance of a capacitor is called:
A. Impedance
B. Resistance
C. Reactance
D. Conductance
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- 18 The device which allows only the flow of D.C. is.
A. Capacitors
B. transformer
C. Inductor
D. Generator
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- 19 The power factor of RL series circuit is.
A. 0
B. 1
C. Less than 1
D. More than one
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- 20 The highest value reached by the voltage or current is one cycle is called:
A. Peak to peak value
B. Peak value
C. Instantaneous value
D. Root mean square value