Physics ICS Part 2 Chapter 16 Online MCQ's Test

Sr	Questions	Answers Choice
1	The peak value of A.C source is 20 A, then its rms value will be.	A. 14.1 A B. 10 A C. 20 A D. 28.2 A
2	The most common source of an A.C. Voltage is.	A. Motor B. Cell C. Generator D. Thermo couple
3	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
4	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
5	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
6	The main use of A.C is	A. Minimum line losses B. Long distance transmission C. Stepping up to required voltage only D. Steeping down to required voltage only
7	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
8	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. I2 D. Nil
9	During each cycle A.C. voltage reaches a peak value.	A. Once B. Twice C. Thrice D. Four time
10	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
11	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
12	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 sond waves
13	For electromagnetic waves, Maxwell generalized	A. Gauses law for magnetism B. Gauses law for eletricity C. Fradays law D. Amperes law
14	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)
15	In LR circiut which one of the following statements is correct?	A. L and R opposes each other B. R value increases with frequency C. The inductive reactance increases

	In LR circuit which one of the following statements is correct?	D. The inductive reactance decreases with frequency
16	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
17	The phase difference between the current and voltage at resonce is:	A. 0 B. π C. -π D. $\pi/2$