

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen
2	A step up transformer is used 120 V line to provide 240 V. If primary coil has 100 turns the number of turns is secondary is.	A. 50 B. 100 C. 150 D. 200
3	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
4	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance
5	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. $2q$ C. $Q/2$ D. Zero
6	In A.C circuit of inductor which one is true	A. Voltage leads current by phase angle $\pi/2$ B. Voltage lags current by $\pi/2$ C. Current leads voltage by $\pi/2$ D. Both remain in phase
7	Natural rubber is an example of:	A. Crystalline solids B. Amorphous solids C. Polymeric solids D. None of above
8	Unit of impedance is:	A. Ohm B. Ohm^{-1} C. no unit D. Ohm m^{-1}
9	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
10	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
11	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
12	Which of the modulus of elasticity is involved in compressing a rod to decrease its length ?	A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these
13	Minority carriers in P-Types , substances are.	A. Electrons B. Protons C. Holes D. Neutrons
14	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
15	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive

		D. Modulative
16	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
17	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 $\pi/2$
18	Useful device to measure resistance, current and voltage is an electronic instrument called.	A. Volt meter B. Ammeter C. Ohmmeter D. Digital Multimeter
19	Reflecting mirrors in laser is used to	A. Further stimulation B. For producing more energetic lasers C. Both (a) and (b) D. None of these
20	In an LRC circiut, the capacitance is made one-fourth, when an resonance . Then what should be change in inductance, so that the circuit remain in resonance?	A. 4 times B. 1/4 times C. 8 times D. 2 times