

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The heat produced by passage of current.	A. $H=I^2Rt$ B. $H=IR^2T$ C. $H=I/Rt$ D. $H=I^2R/t$
2	Energy stored in an inductor is:	A. $\frac{1}{2}L^2I$ B. $\frac{1}{2}LI^2$ C. $\frac{1}{2}LI^2$ D. $\frac{1}{2}LI$
3	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
4	The dimension of stress is	A. $[MLT^{-1}]$ B. $[ML^{-1}T]$ C. $[ML^{-1}T^{-1}]$ D. $[ML^{-1}T^{-2}]$
5	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
6	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
7	106 electrons are moving through a wire per second the current developed is:	A. $1.6 \times 10^{-19}$ A B. 1 A C. $1.6 \times 10^{-13}$ A D. 106 A
8	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
9	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
10	The vessel containing the tow electrodes and liquid to known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
11	Shunt resistance is	A. Low resistance B. Zero resistance C. High resistance D. Impedance
12	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
13	Lenz's law deals with	A. Magnitude of emf B. Direction emf C. Direction of induced current D. Resistance
14	The Unit of decay constant.	A. Second B. (second) <sup>-1</sup> C. m <sup>-1</sup> D. mk

15	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator
16	The binding energy for _____ is maximum.	A. Copper B. Glass C. Iron D. Aluminum
17	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
18	Grid in cathode ray oscilloscope controls.	A. Number of electron B. Temperature of filament C. Frequency of electron D. Energy of electrons
19	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
20	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these