

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
2	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop by coi of many turns D. All of above
3	Resistivity at a given temperature depends upon.	A. Area of cross section B. Length C. Nature of material of conductor D. Both length and area
4	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
5	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
6	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
7	Which one belongs to lepton's group	A. Electron B. Muons C. Neutrons D. All of these
8	The emf induced by the motion of a conductor across a magnetic field is called:	A. Motional emf B. Rotational emf C. Induced emf D. All of above
9	An atom can reside in excited state for	A. $10^{-8}$ second B. One second C. $10^{-10}$ second D. More than one second
10	Earth orbital speed is	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
11	Target material used in x-rays tube have following properties.	A. High atomic number and high melting point B. High atomic number and low melting point C. Low atomic number and low melting point D. High atomic number only
12	Nuclear fission chain reaction is controlled by using.	A. Cadmium rods B. Iron rods C. Platinum rods D. Steel rods
13	Flux through any closed surface is:	A. $\frac{1}{\epsilon_0} \times \text{total charge enclosed in it}$ B. $\epsilon_0 \times \text{total charge enclosed in it}$ C. $\frac{1}{\epsilon_0} \times \text{total charge enclosed in it}$ D. $\epsilon_0 \times \text{total charge enclosed in it}$

14	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 <sup>st</sup> orbit B. 2 <sup>nd</sup> orbit C. 3 <sup>rd</sup> orbit D. 4 <sup>th</sup> orbit
15	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
16	The circuit in which current and voltage are in phase, the power factor is:	A. Zero B. 1 C. -1 D. 2
17	The critical temperature of Aluminum is.	A. 3.72 K B. 1.18 K C. 7.2 K D. 8.2 K
18	Improper biasing of a transistor circuit produces:	A. Heavy loading of emitter current B. Distortion in the output signal C. Excessive heat at collector terminal D. Faulty location of load line
19	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
20	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf