

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum
2	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
3	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric D. Interference
4	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
5	Which is true for both alpha particle and gama rays.	A. They cause ionization in air B. They can be deflected by electric field C. They can be deflected by magnetic field D. The y can penetrate a few millimeters of aluminium
6	Which type of impurity is to be added to a pure semi conductor crystal to provide holes.	A. Monovalent B. Trivalent C. Tetravalent D. Pentavalent
7	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two time B. Four time C. Eight time D. Sixteen time
8	In RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
9	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
10	The dimension of stress is	A. $[ML^{-1}]$ B. $[ML^{-1}T]$ C. $[ML^{-1}T^{-1}]$ D. $[ML^{-1}T^{-2}]$
11	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capisitor D. Transistor
12	The output of two input is zero only when its.	A. Both inputs are zero B. Either input is zero C. Both inputs are one D. Either input is one
13	If the ionization energy of hydrogen atom is 13.6 eV, its ionization potential will be	A. 136.0 volt B. 3.0 volt C. 13.6 volt D. None of these
14	The line radiations emitted from by hydrogen filled discharge tube can be analyzed into.	A. Band spectrum B. Line spectrum C. Continuous spectrum D. Absorption spectrum

15	S.I unit of strength of electric field is	A. J/C B. C/V C. V/C D. N/C
16	The sensitivity of galvanometer is given by	A. $CAN/B$ B. $C/BAN$ C. $BAN/C$ D. $BN/CA$
17	Magnetic flux density is measured in	A. Weber B. Weber/m <sup>2</sup> C. Tesla -m D. Gauss
18	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
19	Rectification is the process of converting.	A. D.C. into A.C. B. A.C. in to D.C. C. Low signal to high D. High signal to low
20	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