

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Brightness of screen of CRO controlled by	A. Grid B. Filament C. Anode D. Cathode
2	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
3	Question Image	
4	In according with Bohr's theory the K.E of the electron is equal to:	A. $\frac{ke^2}{2r}$ B. $\frac{Ze^2}{r}$ C. $\frac{Ze^2}{r^2}$ D. $\frac{Ze^2}{2r^2}$
5	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
6	The value of Rydberg constant is	A. $1.0974 \times 10^7 \text{ m}^{-1}$ B. $1.0974 \times 10^{-7} \text{ m}^{-1}$ C. $1.0974 \times 10^6 \text{ m}^{-1}$ D. $1.0974 \times 10^{-6} \text{ m}^{-1}$
7	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode
8	Eintein's Photoelectric equation is $E_k = hf - \phi$ in this equation $E_1$ , refers to:	A. K.E of al the emitted electrons B. Mean K.E of emitted electrons C. Maximum K.E of emitted electrons D. Minimum K.E of emitted electrons
9	Base of transistor is of order:	A. $10^{-11} \text{ m}$ B. $10^6 \text{ m}$ C. $10^{-8} \text{ m}$ D. $10^{-6} \text{ m}$
10	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
11	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
12	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
13	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear b B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force
14	Domains are existed in	A. Ferromagnetic materials B. Paramagnetic materials C. Semi conductors D. Diamagnetic materials

15	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
16	The dimensions of magnetic flux are	A. $M^{1/2}L^{1/2}T^{-1}A^{1/2}$ B. $MLT^{-2}A^{-1}$ C. $ML^2T^2A^{-1}$ D. $ML^2T^{-2}A^{-1}$
17	Cosmic rays consist of	A. Protons B. High energy photons C. Positron D. All of above
18	Compton shift is maximum for scattering angle of photon	A. $0^\circ$ B. $90^\circ$ C. $180^\circ$ D. $45^\circ$
19	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
20	Calculate current in $2R/4\Omega$ resistor.	A. 1 A B. $2R/4\Omega$ C. $R/3\Omega$ D. $2R/3\Omega$