

Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
2	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
3	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
4	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
5	The velocity of electron moving is 1st orbit of hydrogen atom is:	A. $2.09 \times 10^{6} \text{ ms}^{-1}$ B. $2.18 \times 10^{6} \text{ ms}^{-1}$ C. $2.19 \times 10^{6} \text{ ms}^{-1}$ D. $3.18 \times 10^{6} \text{ ms}^{-1}$
6	The unit of Rh is.	A. ms^{-1} B. m C. m^2 D. m^{-1}
7	The 1 st Bohr atom in the hydrogen atom has radius	A. $3.56 \times 10^{-10} \text{ m}$ B. $0.053 \times 10^{-11} \text{ m}$ C. $0.53 \times 10^{-11} \text{ m}$ D. $5.30 \times 10^{-11} \text{ m}$
8	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
9	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potential C. Nature of the target D. Both B and C
10	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
11	An atom can reside in excited state for	A. 10^{-8} second B. One second C. 10^{-10} second D. More than one second
12	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
13	Which is not true for X rays	A. X rays are not deflected by electric field B. X rays are polarized C. X rays consist of electromagnetic waves D. X rays can be diffracted by grating
		A. Balmer series

14	The series in visible region is:	B. Pfund series C. Paschen series D. None of above
15	If 13.6 eV energy is required to ionize the hydrogen atom, then the required energy to remove an electron from n=2 is:	A. 10.2 eV B. 0 eV C. 3.4 eV D. 6.8 eV
16	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
17	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. $\frac{Ze^2}{2r^2}$
18	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2 nd orbit C. 3 rd orbit D. 4 th orbit
19	Photons emitted in inner shell transition are.	A. Continuous X-rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
20	For Paschen series, the value of 'n' starts from	A. 2 B. 4 C. 6 D. 8