

## Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
2	The process by which lesser beam can be used to generate 3-dimensional images of objects is called	A. Holography B. Geo graphy C. Tomography D. Radio graphy
3	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. Anihilation D. Pair production
4	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
5	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
6	The energy of 4th Orbit in hydrogen atom is.	A. -2.51 eV B. -3.50 eV C. -13.60 eV D. -0.85 eV
7	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
8	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series
9	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared
10	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
11	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
12	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potencial C. Nature of the target D. Both B and C
13	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
14	The series in infrared region is:	A. Paschen series B. Bracket series C. Pfund series D. All of above
15	An atom can reside in excited state for	A. $10^{-8}$ second B. One second C. $10^{-10}$ second D. More than one second

16	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
17	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
18	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
19	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
20	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Pfund series D. Lyman series