

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett series B. Balmer series C. P fund series D. All of above
2	Balmer series lies in	A. Visible region B. Invisible region C. Ultraviolet region D. Infrared region
3	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	A. Infinite energy B. Maximum energy C. Minimum energy D. Zero energy
4	The energy of 4th Orbit in hydrogen atom is.	A2.51 eV B3.50 eV C13.60 eV D0.85 eV
5	When an electron in an atom goes from a lower to higher orbit its:	A. K.E increases , P.E decreases B. K.E increases , P.E increases C. K.E decreases , P.E increases D. K.E decreases , P.E decreases
6	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
7	Life time of metastable states is	A. 10 ⁻⁶ sec or more B. 10 ⁻³ sec or more C. 10 ⁻⁵ sec or more D. None of these
8	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
9	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series
10	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
11	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
12	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. An nihilation D. Pair production
13	An atom can reside in excited state for	A. 10 ⁻⁸ second B. One second C. 10 ⁻¹⁰ second D. More than one second
14	Laser is a device which can produce:	A. Intense beam of light B. Coherant beam of light C. Monochromatic beam of light D. All of the above
15	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes

16	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
17	Kx -Xrays are produced due to transition of electron from.	A. K to L shell B. L to K shell C. M to K shell D. M to L shell
18	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
19	Laser is a beam of light which is	A. Monochromatic B. Coherent C. Unidirectional D. All of these
20	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. 3.40 eV B. 10.20 eV C. 13.6 eV D. 3.8 eV