

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

Sr	Questions	Answers Choice
SI	Questions	
1	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
2	In according with Bohr's theory the K.E of the electron is equal to:	A. ke <sup>2</sup> /2r B. Ze <sup>2</sup> /r C. Ze <sup>2</sup> /r C. Ze <sup>2</sup> /r <sup>2</sup> D. Ze <sup>2</sup>
3	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
4	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series  C. Pfund series D. Bracket series
5	Hydrogen atom spectrum does not lie in	A. Ultraviolet region B. Visible region C. Infrared region D. X ray region
6	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
7	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
8	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 <sup>st</sup> orbit B. 2nd orbit C. 3rd orbit D. 4th orbit
9	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
10	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. An nihilation D. Pair production
11	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
12	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
13	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
14	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black
15	Laser is a beam of light which is	A. Monochromatic B. Coherent C. Unidirectional D. All of these

16	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
17	The value of Rydberg constant is:	A. 1.0749x10 <sup>7</sup> m <sup>1</sup> B. 1.0974 x 10 <sup>7</sup> m <sup>1</sup> C. 1.974 x10 <sup>6</sup> m <sup>1</sup> D. 1.0974 x 10 <sup>-7</sup> m <sup>-1</sup>
18	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
19	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
20	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