Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
2	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
3	The value of Rydberg constant is:	A. 1.0749x10⁷m⁻¹ B. 1.0974 x 10⁷ m⁻¹ C. 1.974 x10⁶m⁻¹ D. 1.0974 x 10⁻⁷ m⁻¹
4	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
5	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
6	Radius of first orbit of an atom is r1= 0.053 nm, Radius of second orbit r2 will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. 0.53 x 10^{-10} nm
7	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
8	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
9	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
10	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
11	The unit of Rh is.	A. ms-1 B. m C. m² D. m⁻¹
12	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
13	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
14	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy

15	The shortest wave length is Bracket series has wave length.	A. 16/Rn B. Rn/16 C. 16 Rn D. 4 Rn
16	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
17	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
18	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
19	The Balmer series is obtained when all the transition of electrons terminate on	A. 1st orbit B. 2nd orbit C. 3rd orbit D. 4th orbit
20	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913