

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
3	Laser is a device which can produce:	A. Intense beam of light B. Coherent beam of light C. Monochromatic beam of light D. All of the above
4	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
5	In Helium Neon laser, the discharge tube is filled with	A. 80% He, 20% Neon B. 85% He, 15% Neon C. 83% He, 17% Neon D. 90% He, 10% Neon
6	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
7	An electron in H-atom is excited from ground state $n=1$, How many spectral lines are possible in this case.	A. 6 B. 5 C. 4 D. 3
8	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
9	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
10	For Holography we use	A. X ray B. Laser C. gamma rays D. Beta rays
11	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
12	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
13	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
14	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
15	Photons emitted in inner shell transition are.	A. Continuous X-rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays

16	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
17	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
18	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
19	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
20	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above