

Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
2	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
3	Charge on positron is:	A. Negative B. PositiveC. NeturalD. None of these
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	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
6	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2nd orbit C. 3rd orbit D. 4th orbit
7	When meta I is heated sufficiently electrons are given off by the metal. This phenomenon is known as.	A. Photoelectric effect B. Piezo electric effect C. Thermionic emission D. Secondary emission
8	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
9	An electron in H -atom is excited from ground state n=4 , How many spectral lines are possible in this case.	A. 6 B. 5 C. 4 D. 3
10	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
11	The 1 st Bohr atom in the hydrogen atom has radius	A. 3.56 x 10 ⁻¹⁰ m B. 0.053 x 10 ⁻¹¹ m C. 0.53 x 10 ⁻¹¹ m D. 5.30 x 10 ⁻¹¹ m
12	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
13	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series
14	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
15	Balmer series lies in	A. Visible region B. Invisible region C. Ultraviolet region

		D. Intrared region
16	has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
17	Photons emitted in inner shell transition are.	A. Continuous X-rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
18	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
19	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
20	The shortest wave length is Bracket series has wave length.	A. 16/Rn B. Rn/16 C. 16 Rn D. 4 Rn