

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Pfund series D. Lyman series
2	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
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 radius of 10th orbit in hydrogen atom is.	A. 0.053 nm B. 0.53 nm C. 5.3 nm D. 53 nm
5	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
6	For Holography we use	A. X ray B. Laser C. gamma rays D. Beta rays
7	The value of Rydberg constant is	A. $1.0974 \times 10^{7-1}$ B. $1.0974 \times 10^{7-1}$ C. $1.0974 \times 10^{6-1}$ D. $1.0974 \times 10^{-6-1}$
8	For Paschen series, the value of 'n' starts from	A. 2 B. 4 C. 6 D. 8
9	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
10	Which is not true for X rays	A. X rays are not deflected by electric field B. X rays are polarized C. X rays consist of electromagnetic waves D. X rays can be diffracted by grating
11	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series
12	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
13	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
14	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	A. Infinite energy B. Maximum energy C. Minimum energy D. None of these

		D. Zero energy
15	Hydrogen atom spectrum does not lie in	A. Ultraviolet region B. Visible region C. Infrared region D. X ray region
16	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
17	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
18	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
19	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
20	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black