

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Photons emitted in inner shell transition are.	A. Continuous X -rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
2	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
3	The value of Rydberg constant is:	A. $1.0749 \times 10^7 \text{ m}^{-1}$ B. $1.0974 \times 10^7 \text{ m}^{-1}$ C. $1.974 \times 10^6 \text{ m}^{-1}$ D. $1.0974 \times 10^{-7} \text{ m}^{-1}$
4	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
5	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
6	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
7	The line radiations emitted from by hydrogen filled discharge tube can be analyzed into.	A. Band spectrum B. Line spectrum C. Continuous spectrum D. Absorption spectrum
8	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
9	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
10	An atom can reside in excited state for	A. 10^{-8} second B. One second C. 10^{-10} second D. More than one second
11	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
12	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared
13	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series
14	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. Anihilation D. Pair production

15	1 rad =	A. 0.001Gy B. 0.01Gy C. 0.1Gy D. 1.01Gy
16	The value of Rydberg constant is	A. $1.0974 \times 10^{7\frac{1}{m}}$ B. $1.0974 \times 10^{-7\frac{1}{m}}$ C. $1.0974 \times 10^{6\frac{1}{m}}$ D. $1.0974 \times 10^{-6\frac{1}{m}}$
17	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
18	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
19	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
20	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