

ECAT Physics Chapter 20 Atomic Spectra Online Test

Sr	Questions	Answers Choice
1	X-rays produced in a tube operating at 10^5 V. The speed of X-rays produced is	A. 3×10^8 m/s B. 3.1×10^8 m/s C. 2.8×10^8 m/s D. 1.88×10^8 m/s
2	In helium Neon Laser Neon = 15% and Helium = 85% used. The lasing gas this unit is	A. Helium B. Neon C. Both D. None of these
3	The value of the metastable state for Neon is	A. 20.66eV B. 20.61eV C. 19.23eV D. 18.70eV
4	In flesh, light element like carbon, hydrogen and oxygen predominate. Three elements allows _____ amount of incident X-ray to pass through them	A. Small B. Greater C. Equal D. Sometimes
5	X-ray are also known as	A. Roentgen rays B. Maxwell rays C. Plank range D. Einstein rays
6	The minimum wavelength of X-rays produced of 1KV potential difference is applied across the anode and cathode of the tube is	A. 1.24×10^{-10} m B. 7.92×10^{-20} m C. 2.78×10^{-14} m D. 3.88×10^{-11} m
7	CT scanning is the abbreviated name of	A. Computed Technology B. Computed Technique C. Computed Technology D. Computerized Technique
8	The first shell near the neucleus is	A. L-shell B. X-shell C. N-shell D. M-shell
9	The life time of metastable state is equal to	A. Life time of excited state B. Greater than by excited state C. Zero D. Less than by excited state
10	We can excite an atom by	A. Bombardment of particles B. Radiating photons C. Providing potential difference D. All answer are true
11	Ultraviolet region lies in _____ series	A. Lyman B. Balmer C. P fund D. B racket
12	Graph of Black body radiation is example of	A. Band spectra B. Continuo's spectra C. Line spectra D. All
13	Photons must have energy equal to	A. ev B. En C. hf D. None of these
14	Gaussian surface is always:	A. Rectangular B. Spherical C. Cylinder D. Box shape E. Any of these
15	Coulomb multiplied by volt by volt gives the unit called:	A. farad B. Ohm C. Second D. None of these

