Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Laser is a beam of light which is	A. Monochromatic B. Coherent C. Unidirectional D. All of these
2	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black
3	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
4	When meta l 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
5	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra
6	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
7	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
8	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
9	The rest mass x ray photon is	A. Infinite B. Zero C. 1.67 X⁻¹⁷ kg D. All of the above
10	Which is not true for X rays	A. X rays are not defected by electric field B. X rays are polarized C. X rays consist of electromagnetic waves D. X rays can be diffracted by grating
11	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. An nihilation D. Pair production
12	Photons emitted in inner shell transition are.	A. Continuous X -rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
13	In an electronic transition atom cannot emit.	A. Infrared radiations B. Visible radiations C. Ultraviolet radiations D. Gama radiations
14	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
15	Radius of first Bohr's orbit is.	A. 0.053 nm B. 0.053 mm C. 0.053 micro meter

		D. 0.053 m
16	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
17	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave