Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Laser is a device which can produce:	A. Intense beam of light B. Coherant beam of light C. Monochromatic beam of light D. All of the above
2	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
3	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
4	The process by which lesser beam can be used to generate 3-dimensional images of objects is called	A. Holography B. Geo graphy C. Tomography D. Radio graphy
5	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
6	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
7	For an atom of hydrogen atom the radius of the first orbit is given by:	A. H/me² B. me/4h² C. h2/4π² kme² D. h² me²
8	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
9	Radius of first orbit of an atom is r1= 0.053 nm, Radius of second orbit r2 will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. 0.53 x 10^{-10} nm
10	The unit of Rh is.	A. ms-1 B. m C. m² D. m⁻¹
11	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. 3.40 eV B. 10.20 eV C. 13.6 eV D. 3.8 eV
12	The velocity of electron moving is 1st orbit of hydrogen atom is:	A. 2.09 x 10⁶ ms⁻¹ B. 2.18 x10⁶ ms⁻¹ C. 2.19 x 10⁶ ms⁻¹ D. 3.18 x10⁶ ms⁻¹
13	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
14	Earth orbital speed is	A. 10 km/s B. 20 km/s

		C. 30 km/s D. 40 km/s
15	The value of Rydberg constant is:	A. 1.0749x10⁷m⁻¹ B. 1.0974 x 10⁷ m⁻¹ C. 1.974 x10⁶m⁻¹ D. 1.0974 x 10⁻⁷ m⁻¹
16	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
17	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
18	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom D. Electron
19	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
20	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region