

## Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared
2	In according with Bohr's theory the K.E of the electron is equal to:	A. $\frac{ke^2}{2r}$ B. $\frac{Ze^2}{r}$ C. $\frac{Ze^2}{r^2}$ D. $\frac{Ze^2}{2r^2}$
3	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen
4	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
5	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
6	The energy of 4th Orbit in hydrogen atom is.	A. -2.51 eV B. -3.50 eV C. -13.60 eV D. -0.85 eV
7	The shortest wave length is Bracket series has wave length.	A. $\frac{16}{Rn}$ B. $\frac{Rn}{16}$ C. $16 Rn$ D. $4 Rn$
8	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
9	When an electron in an atom goes from a lower to higher orbit its:	A. K.E increases , P.E decreases B. K.E increases , P.E increases C. K.E decreases , P.E increases D. K.E decreases , P.E decreases
10	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
11	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
12	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
13	The typical nuclei are less than:	A. $10^{-16}m$ B. $10^{-14}m$ C. $10^{-12}m$ D. $10^{-10}m$
14	Hydrogen atom spectrum does not lie in	A. Ultraviolet region B. Visible region C. Infrared region D. X ray region
15	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above

16	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
17	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	A. Infinite energy B. Maximum energy C. Minimum energy D. Zero energy
18	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
19	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
20	The unit of $R_h$ is.	A. $\text{ms}^{-1}$ B. m C. $\text{m}^2$ D. $\text{m}^{-1}$