

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett series B. Balmer series C. P fund series D. All of above
2	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
3	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
4	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
5	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
6	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. An nihilation D. Pair production
7	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
8	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
9	When meta I 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
10	For an atom of hydrogen atom the radius of the first orbit is given by:	A. $\frac{h^2}{me^2}$ B. $\frac{me}{4h^2}$ C. $\frac{h^2}{4me^2}$ D. $\frac{h^2}{me^2}$
11	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
12	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
13	The typical nuclei are less than:	A. 10^{-16} m B. 10^{-14} m C. 10^{-12} m D. 10^{-10} m
14	The series in infrared region is:	A. Paschen series B. Bracket series C. Pfund series D. All of above
		A. Infinite energy

15	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	<p>B. Maximum energy C. Minimum energy D. Zero energy</p>
16	The velocity of electron moving in 1st orbit of hydrogen atom is:	<p>A. $2.09 \times 10^6 \text{ ms}^{-1}$ B. $2.18 \times 10^6 \text{ ms}^{-1}$ C. $2.19 \times 10^6 \text{ ms}^{-1}$ D. $3.18 \times 10^6 \text{ ms}^{-1}$</p>
17	Balmer series lies in	<p>A. Visible region B. Invisible region C. Ultraviolet region D. Infrared region</p>
18	Earth orbital speed is	<p>A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s</p>
19	Bremsstrahlung radiation are examples of	<p>A. Atomic spectra B. Molecular spectra C. Continuous spectra D. Discrete spectra</p>
20	Radius of first Bohr's orbit is.	<p>A. 0.053 nm B. 0.053 mm C. 0.053 micro meter D. 0.053 m</p>