

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen
2	An atom can reside in excited state for	A. 10^{-8} second B. One second C. 10^{-10} second D. More than one second
3	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potential C. Nature of the target D. Both B and C
4	Photons emitted in inner shell transition are.	A. Continuous X-rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
5	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
6	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
7	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2 nd orbit C. 3 rd orbit D. 4 th orbit
8	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
9	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
10	Laser is a device which can produce:	A. Intense beam of light B. Coherent beam of light C. Monochromatic beam of light D. All of the above
11	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
12	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
13	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
14	The typical nuclei are less than:	A. 10^{-16} m B. 10^{-14} m C. 10^{-12} m D. 10^{-10} m
15	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

16	For an atom of hydrogen atom the radius of the first orbit is given by:	<p>A. $\frac{h^2}{4m^2}$</p> <p>B. $\frac{h^2}{4m^2}$</p> <p>C. $\frac{h^2}{4m^2}$</p> <p>D. $\frac{h^2}{4m^2}$</p>
17	The radius of hydrogen atom is:	<p>A. 0.53 \AA</p> <p>B. 0.053 \AA</p> <p>C. $0.53 \times 10^{-9} \text{ m}$</p> <p>D. $0.053 \times 10^{-9} \text{ m}$</p>
18	The 1 st Bohr atom in the hydrogen atom has radius	<p>A. $3.56 \times 10^{-10} \text{ m}$</p> <p>B. $0.053 \times 10^{-11} \text{ m}$</p> <p>C. $0.53 \times 10^{-11} \text{ m}$</p> <p>D. $5.30 \times 10^{-11} \text{ m}$</p>
19	The first theory about the structure of an atom was introduced by	<p>A. Neil Bohr</p> <p>B. Einstein</p> <p>C. Compton</p> <p>D. Rutherford</p>
20	Electron volt is unit of:	<p>A. Chemical energy</p> <p>B. Potential energy</p> <p>C. Nuclear energy</p> <p>D. heat energy</p>