

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

Sr	Questions	Answers Choice
1	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
2	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
3	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 <sup>st</sup> orbit B. 2 <sup>nd</sup> orbit C. 3 <sup>rd</sup> orbit D. 4 <sup>th</sup> orbit
4	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
5	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen
6	The radius of 10th orbit in hydrogen atom is.	A. 0.053 nm B. 0.53 nm C. 5.3 nm D. 53 nm
7	Which of the following is one of the spectral series of atomic hydrogen?	A. Brackett series B. Balmer series C. P fund series D. All of above
8	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
9	Earth orbital speed is	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
10	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
11	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
12	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. $\frac{Ze^2}{2r^2}$
13	If the ionization energy of hydrogen atom is 13.6 eV, its ionization potential will be	A. 136.0 volt B. 3.0 volt C. 13.6 volt D. None of these
14	An atom can reside in excited state for	A. $10^{-8}$ second B. One second C. $10^{-10}$ second D. More than one second
15	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series D. Bracket series

16	Hydrogen atom spectrum does not lie in	A. Ultraviolet region B. Visible region C. Infrared region D. X ray region
17	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
18	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
19	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
20	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