

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

Sr	Questions	Answers Choice
1	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. Anihilation D. Pair production
2	We can find from de Broglie formula	A. Wavelength B. Amplitude C. Speed of wave D. Frequency of wave
3	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
4	The radius of hydrogen atom is:	A. $0.53\text{\AA}$ B. $0.053\text{\AA}$ C. $0.53 \times 10^{-9}$ D. $0.053 \times 10^{-9}$
5	The radius of 10th orbit in hydrogen atom is.	A. 0.053 nm B. 0.53 nm C. 5.3 nm D. 53 nm
6	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
7	Laser is a beam of light which is	A. Monochromatic B. Coherent C. Unidirectional D. All of these
8	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. $\frac{Ze^2}{2r^2}$
9	The unit of Rh is.	A. $\text{ms}^{-1}$ B. m C. $\text{m}^2$ D. $\text{m}^{-1}$
10	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black
11	In an electronic transition atom cannot emit.	A. Infrared radiations B. Visible radiations C. Ultraviolet radiations D. Gama radiations
12	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
13	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
14	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
15	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above

16	In Helium Neon laser, discharge tube is filled with Neon gas.	A. 10% B. 15% C. 85% D. 90%
17	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
18	Earth orbital speed is	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
19	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
20	The series in infrared region is:	A. Paschen series B. Bracket series C. Pfund series D. All of above