

Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	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
3	Which is not characteristic of Laser.	A. MonochromaticB. CoherentC. IntenseD. Multi direction
4	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
5	The velocity of electron moving is 1st orbit of hydrogen atom is:	A. 2.09 x 10 ⁶ ms ^{- 1} B. 2.18 x10 ⁶ ms ^{- 1} C. 2.19 x 10 ⁶ ms ^{- 1} D. 3.18 x10 ⁶ ms ^{- 1}
6	In Helium Neon laser, the discharge tube is filled with	A. 80% He, 20% Neon B. 85% He, 15% Neon C. 83% He, 17% Neon D. 90% He, 10% Neon
7	For Paschen series, the value of 'n' starts from	A. 2 B. 4 C. 6 D. 8
8	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett seriesB. Balmer seriesC. P fund seriesD. All of above
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	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
11	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
12	In an electronic transition atom cannot emit.	A. Infrared radiationsB. Visible radiationsC. Ultraviolet radiationsD. Gama radiations
13	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
14	The following gas was identified in the sun using spectroscopy	A. Hydrogen B. Helium C. Carbon D. Nitrogen

15	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
16	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
17	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
18	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
19	The rest mass x ray photon is	A. Infinite B. Zero C. 1.67 X ⁻¹⁷ kg D. All of the above
20	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above