

Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	The first laser was built by	A. ArthursSchawalow B. T.H.Maiman C. Peter Sorokin D. C.H.Townes
2	Earth orbital speed is	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
3	Target material used in x-rays tube have following properties.	A. High atomic number and high melting point B. High atomic number and low melting point C. Low atomic number and low melting point D. High atomic number only
4	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
5	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
6	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
7	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black
8	Life time of metastable states is	A. 10^{-6} sec or more B. 10^{-3} sec or more C. 10^{-5} sec or more D. None of these
9	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
10	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
11	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
12	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
13	Radius of first orbit of an atom is $r_1 = 0.053$ nm, Radius of second orbit r_2 will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. 0.53×10^{-10} nm
14	First spectral series of hydrogen atom was discovered by	A. Lyman B. Rydberg C. Balmer D. Paschen

15	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
16	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
17	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Ptund series D. Lyman series
18	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
19	Electron volt is unit of:	A. Chemical energy B. Potential energy C. Nuclear energy D. heat energy
20	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared