

Physics FSC Part 2 Chapter 20 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Helium-Neon laser discharge tube contains neon | A. 82% B. 15% C. 25% D. 85% |
| 2 | 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 |
| 3 | Reflecting mirrors in laser is used to | A. Further stimulation B. For producing more energetic lasers C. Both (a) and (b) D. None of these |
| 4 | 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 |
| 5 | An atom can reside in excited state for | A. 10^{-8} second B. One second C. 10^{-10} second D. More than one second |
| 6 | The X-rays diffraction with crystal was first studied by | A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these |
| 7 | X-rays were discovered by | A. Curie B. Henry Becquerel C. Rontgen D. None of these |
| 8 | The 1 st Bohr atom in the hydrogen atom has radius | A. 3.56×10^{-10} m B. 0.053×10^{-11} m C. 0.53×10^{-11} m D. 5.30×10^{-11} m |
| 9 | 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 |
| 10 | 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 |
| 11 | The value of Rydberg constant is | A. $1.0974 \times 10^7 \text{ m}^{-1}$ B. $1.0974 \times 10^{-7} \text{ m}^{-1}$ C. $1.0974 \times 10^6 \text{ m}^{-1}$ D. $1.0974 \times 10^{-6} \text{ m}^{-1}$ |
| 12 | Study of hydrogen visible spectrum in | A. 1886 B. 1887 C. 1895 D. 1885 |
| 13 | The first theory about the structure of an atom was introduced by | A. Neil Bohr B. Einstein C. Compton D. Rutherford |