

Chapter # 04

Atomic Structure

Lecture # 02

Course Outline

- (1) - Structure of atom (Bohr's model) \rightarrow MCQ's
- (2) - H_2 Or H_2
- (3) - Introduction and detail of LASER.
- (4) - Sommerfeld model (5) - Zeeman Effect
- (6) - Blackbody Radiation
- (7) - Pauli Exclusion Principle
- (8) - Type of atomic Spectra.
- (9) - Types of Quantum number
- (10) - Information about materials and types of bonds.

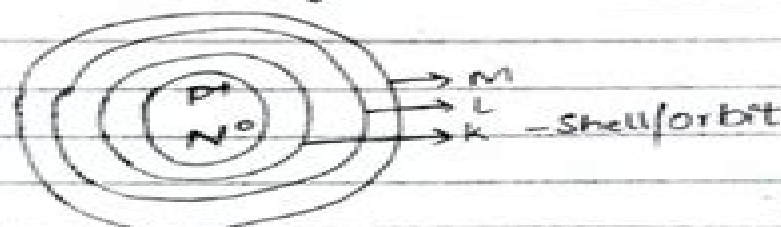
(1)

- Atom is neutral.
- e^- & p are equal in no.
- Nucleus $\rightarrow p + \text{neutron}$
 $\downarrow \quad \downarrow$
+ve no charge
Nucleus \rightarrow +ve Charge

MCQ's -

Formula $a = N \cdot Z n^2$

- $k = 2, n = 1$
- $L = 8, n = 2$
- $M = 18, n = 3$
- $N = 32, n = 4$



Modern Physics Chapter Notes

Liyong Dong



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