Sri Aurobindo College (M)

University of Delhi

B.Sc. Physical Science 2nd Year IV Semester Section A

Internal Assessment: Inorganic Chemistry Assignment

Student Name: **Class Roll No:**

Submitted to: Dr. Pradhumn Singh **Dated:**

Q.1 Define the Electronegativity of an element. Explain the Pauling, Mulliken and Allred-Rochow scales for the measurement of electronegativity.

Q.2 What are the Carbides of s & p block elements? Give their classifications, preparations and chemical properties.

or

Q.2 What are the Nitrides of s & p block elements? Give their classifications, preparations and chemical properties.

Q.3 Define the allotropy in the elements. Give the all allotropic forms of C, P and S in detail.

Q.4 Write the anomalous behaviour of Li, Be, B, C, N, O and F.

or

Q.4 Give the diagonal relationship of Li with Mg, Be with Al and B with Si.

Q.5 What is the Inner-Pair Effect? Discuss the oxidation states of the elements of group 13, group 14 and group 15 with reference of Inner-Pair Effect.

Q.6 Give the structure, preparation and properties of diborane (B_2H_6).