**PG : Semester-IV**

For one week

(Theory)

Paper: **Inorganic Chemistry Special-II**

**(Optional paper)**

Course ID: **CHEM-4104**

**Unit-VII:** Supramolecular Chemistry

Basic concepts and principles, host-guest interactions, classification of macrocyclic systems, podand, cyrptand etc., crown ethers, molecular recognition, spherical recognition, application of macrocyclic crown ethers, calixarenes as receptors, cyclodextrins as receptors, cyclophanes as synthetic receptors, catenanes and rotaxanes, dendrimer, molecular switch.

1. Relevant chapter of the book: Introduction to Supramolecular Chemistry- by Asim K Das & Mahua Das