

**SHIVAJI COLLEGE, UNIVERSITY OF DELHI**

**DEPARTMENT OF CHEMISTRY**

**INTERNAL ASSIGNMENT**

**(Academic Year 2023-24)**

Name of the Course: B SC. (P) Physical Science

Semester: VI

Name of the Paper: Organometallics, Bio-inorganic Chemistry, Polynuclear Hydrocarbons and UV, IR

UPC: 42177926

Maximum Marks: 10

Faculty Name: Mr. Deepesh Singh, Dr. Priti Kumari

Last Date of Submission: 04/04/2024

Attempt all questions

1. Give applications of UV spectroscopy
2. Explain Claisen condensation with mechanism
3. Explain aromaticity of following: Furan, Thiophene, Pyrrole
4. Nucleophilic substitution in pyridine at 2,4 positions explain?
5. Explain electrophilic substitutions in Naphthalene?

*Priti Kumari*

*Deepesh Singh*