



## SECTION – II

- Q-4 Attempt the following questions (07)**
- a. Write the full form of DCC. **01**
  - b. Draw the crown ether structure of Cyclen. **01**
  - c. Write the preparation of Lithium diisopropylamide. **01**
  - d. Complete the following reaction. **01**
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- e. Draw the structure of DCU. **01**
  - f. Draw the structure of complex of  $\text{H}_3\text{O}^+$  with 18-crown-6. **01**
  - g. Write the chemical reaction of Prins reaction. **01**
- Q-5 Attempt all questions (14)**
- a. Describe the note on Neber rearrangement. **07**
  - b. Write a note on Newman-Kwart rearrangement. **07**
- OR**
- Q-5 Attempt all questions (14)**
- a. Describe the note on Wagner-Meerwein rearrangement. **07**
  - b. Explain briefly about Wilkinson's catalyst. **07**
- Q-6 Attempt all questions (14)**
- a. Write a brief note on Suzuki coupling and Glaser coupling reactions. **07**
  - b. Write a note on Crown ether. **07**
- OR**
- Q-6 Attempt all questions (14)**
- a. Write a brief note on Hay coupling and Stille coupling reactions. **07**
  - b. Write a note on Sodium Cyanoborohydride. **07**

