

M.Sc. (Industrial Chemistry) Examination Oct-2017
Semester-II
Paper - IC - 6: Organic Chemistry
Paper Code: 2922

Time: **2.30** Hours

Maximum Marks: **70**

- Que.-1 What are Heterocyclic compounds? State and explain importance of heterocyclic compounds. [14]
- OR
- Que.-1 Discuss conformational analysis of cyclohexane and declain. [14]
- Que.-2 Give an introduction, mechanism and application of Grignard reaction. [14]
- OR
- Que.-2 Give an introduction, mechanism and application of MPV reduction. [14]
- Que.-3 Explain with mechanism or mechanisms and application of following (Any one). [14]
1. Von Richer rearrangement
 2. Whitmore rearrangement
- Que.-4 Give preparation and application of following (Ant Two). [14]
1. Sodium borohydride
 2. Alizarin
 3. LAH
- Que.-5 Discuss methods of preparation and important properties of following (Any two). [14]
1. Imidazole
 2. Indole
 3. Thiazole