

M.Sc. (Industrial Chemistry) Examination

Semester-II

Paper - IC - 6: Organic Chemistry

Paper Code: 2922

April - 2016

Time: 2.30 Hours

Maximum Marks: 70

Que.-1 State and explain importance of heterocyclic compounds.[14]

OR

Que.-1 Discuss conformational analysis of cyclohexane and anthracene.[14]

Que.-2 Give an introduction, mechanism and application of Sandmeyer reaction.[14]

OR

Que.-2 Give an introduction, mechanism and application of Mannich reaction.[14]

Que.-3 Explain with mechanism or mechanisms and application of Whitmore rearrangement.[14]

OR

Que.-3 Explain with mechanism or mechanisms and application of Benzidine rearrangement.[14]

Que.-4 Give preparation and application of sodium borohydride and alizarin.[14]

OR

Que.-4 Give preparation and application of LAH & NBS.[14]

Que.-5 Discuss methods of preparation and important properties of imidazole and indole.[14]

OR

Que.-5 Discuss methods of preparation and important properties of benzofuran and benzothiophen.[14]