

Contents

PART - I

ACTION OF HYDROGEN PEROXIDE IN PRESENCE OF SELENIUM DIOXIDE ON OXIME DERIVATIVES OF FRIEDELIN; LUPANONE AND TARAXERONE

CHAPTER - I

A concise review of selective oxidation with selenium dioxide..... 1

A concise review on reaction of hydrogen peroxide in presence of selenium dioxide..... 18

CHAPTER - II

Section - A

Action of hydrogen peroxide in presence of selenium dioxide on the oxime derivatives of friedelin..... 41

Section - B

Action of hydrogen peroxide in presence of selenium dioxide on the oxime derivatives of lupanone..... 45

Section - C

Action of hydrogen peroxide in presence of selenium dioxide on the oxime derivatives of taraxerone..... 49

CHAPTER - III

Experimentals 54

References..... 73

PART - II

ACTION OF N-BROMOSUCCINIMIDE IN DIMETHYL SULPHOXIDE ON CHOLEST-4-EN-3, 6-DIONE

CHAPTER - I

A concise review on the action of N-bromosuccinimide on
triterpenoids and steroids..... 77

CHAPTER - II

Action of N-bromosuccinimide in dimethyl sulphoxide on
cholest-4-en-3, 6-dione..... 109

CHAPTER - III

Experimentals..... 117
References 121