# CONTENTS

## CHAPTER I

GENERAL INTRODUCTION  
References  

## CHAPTER II

$^{13}$C STUDY OF THE NATURE OF O-HYDROXYARYLAMIDE ANIONS  
1. Introduction  
2. Results and Discussions  
   a) Assignments of Carbon-13 Signals  
   b) Characteristic Ionization Shifts and the nature of o-hydroxyarylamide anions.  
   c) Solvent Induced Chemical Shifts  
   d) Carbon-13 Studies on some p-Hydroxycarbonyl Compounds  
   e) Steric Effects  
   f) Conclusions  
3. Experimental  
References  

## CHAPTER III

PMR STUDIES ON O-HYDROXYARYLAMIDES AND THEIR ANIONS  
1. Introduction  
2. Results and Discussions  
3. Experimental  
References
CHAPTER IV

15 N NMR STUDIES ON ORTHO-HYDROXYARYLAMIDES AND THEIR ANIONS

1. Introduction 270
2. Results and Discussion 273
3. Experimental 284
References 285

CHAPTER V

REACTIVITY OF ORTHO-HYDROXYARYLAMIDE ANIONS 287
References 305

CHAPTER VI

CONCLUSIONS 306

SUMMARY 310