

C O N T E N T S

	Page
Certificate of guide	I
Declaration	II
Acknowledgements	III
General Remarks	IV
Synopsis	V
 CHAPTER-1 : POLYPHOSPHORIC ACID AS A REAGENT IN ORGANIC CHEMISTRY	
Introduction	1
Nature of the reagent	3
Cyclization with PPA Preparation of heterocyclic compounds	8 12
Intramolecular acylation	18
Cyclodehydration of aldehydes and ketones	20
Cyclization reaction of alcohols and olefins	22
Intermolecular acylation and alkylation	24
 CHAPTER-2 : APPLICATIONS OF POLYPHOSPHORIC ACID IN ORGANIC SYNTHESIS	
Introduction	38
Present work	39

	Page
Intramolecular acylation	
Reaction of p-Ethylphenol and	40
3,3 dimethylacrylic acid	
Reaction of isobutyl 3-phenylbutyrate	41
with PPA.	
Spectra	46-52
Experimental	53
References.	61
