

A C K N O W L E D G E M E N T S

I have a great pleasure to record my deep sense of gratitude and indebtedness to my guide Dr.B.B.Waghmode, Reader, Department of Mathematics, Shivaji University, Kolhapur for his inspiring guidance and constant encouragement during the preparation of this dissertation. I take this opportunity of acknowledging my sincere feelings of gratitude and respect for his valuable help throughout the present work.

I am grateful to Dr.L.Radhakrishna, Professor and Head of the Department of Mathematics, Shivaji University, Kolhapur for providing the requisite facilities for this work.

My thanks are also to the teaching and non-teaching staff of the Department of Mathematics, Shivaji University, Kolhapur for their encouragement and inspiration during the period of work.

My heartiest thanks go to my friend Shri V.M.Patil, Head of the Department of Political Science, Shiva-Shahu Mahavidyalaya, Sarud for his keen interest and constant support. I am also thankful to Dr.H.T.Jagtap, Shri S.P.Patankar and Shri P.S.Salunkhe for their kind cooperation.

Lastly my thanks are also due to Shri Kumbhar for his expert typing with meticulous care.

Department of Mathematics,
Shivaji University, Kolhapur.


(D.R.Hasabe)

Date :