ACKNOWLEDGEMENTS

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 this valuable help throughout the present work.

I am very thankful to Dr.A.T.Varute beloved Vice-Chancellor of Shivaji University, Kolhapur for his encouragement in carrying out my dissertation work during this year.

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

I am also thankful to Principal, Dr.A.B.Dige, Y.C. Warana Mahavidyalaya, Warananagar for his kind cooperation during this period.

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

My heartist thanks to my wife Sou.Alka Lokhande and Prof.K.S.Shevade, Head of Mathematics Department, Prof.D.K.Gaikwad for encouragement and help during the period of work.

I am also thankful to Dr.B.P.Jadhav and Dr.G.H. Patil for their kind cooperation.

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

4 block

Department of Mathematics, Shivaji University, Kolhapur-416 004 A.D.Lokhande Lecturer in Mathematics, Y.C.Warana Mahavidyalaya, Warananagar.

Date: 14th Jan 1993.

000