AC KNOWLEDGEMENTS

I have great pleasure to have been associated with and worked under the able and inspiring guidance of Dr.R.K.Saxena, Professor and Head of the Department of Mathematics, Shivaji University, Kolhapur, under whose keen supervision this dissertation has been prepared by me. I have been receiving his valuable suggestions and constant encouragement without which it would not have been possible for me to accomplish my purpose. I take this opportunity of acknowledging my sincere feelings of gratitude and respect for his valuable help throughout the present work.

I am extremely grateful to the University Grants
Commission, New Delhi for awarding me a Teacher Fellowship
for one year which enabled me to complete this work. My
sincere thanks are also due to Shri H.K.Kale, President,
Shri C.B.Athare Patil, M.P., Secretary and other authorities
of the Ahmadnagar Jilha Maratha Vidya Prasarak Samaj,
Ahmadnagar and Principal K.H.Shitole, New Arts,
Commerce and Science College, Ahmadnagar for granting me a
study leave of one year and giving an ample opportunity
for higher studies.

My thanks go to Dr.S.B.Nimse, M.Sc., M.Phil., Ph.D., Head of the Department of Mathematics and my other colleagues, New Arts, Commerce and Science College,

Ahmadnagar, for their keen interest and constant support.

My heartiest thanks are also due to my friends

Shri S.P.Malgonde, Shri B.P.Reddy, Shri P.A.Yogi and

Shri S.M.Deo for their useful discussions during the period of present work.

I may be failing in my duty, if I do not put on record my deepest gratitude to my beloved wife Sou. Shobha who tenderly looked after everybody at home to let me devotedly pursue the knowledge of Mathematics.

I would like to record my thanks to the teaching and non-teaching staff of the Department of Mathematics, Shivaji University, Kolhapur, for their kind co-operation during the period of present investigations.

Last but not the least, I would like to express my thanks to Shri Kumbhar, who generously gave his time and produced very neat and clean typing, especially the mathematical format.

Shivaji University, Kolhapur-416 004.

Date: 24.7.84

(s.D. Deshmane)