ACKNOWLEDGEMENT

The author wishes to express his deep sense of gratitude to Professor T M Karade, D. Sc., for his sympathetic and stimulating guidance throughout the preparation of this work. The author considers it a great privilege to have had the opportunity to work under him.

The author also owes a debt of gratitude to Dr. K S Adhav, Head of the Department of Mathematics, Amravati University, for his keen interest, constant encouragement, participation in various group discussions associated with the work and providing facilities during Teacher Fellowship.

Greatful thanks are due to Shri Subhashibhau Ramkrushnaji Rathi (President), Shri S N Kothari (Principal), R A Arts, M K commerce and S R Rathi Science Mahavidyalaya Washim, for providing facilities and also thanks to the authorities of Nagpur University, Amravati University and UGC for awarding Teacher Fellowship.

The author is extremely thankful to Prof P C Wankhade, Prof Haribhau Kshirsagar, Prof N S Bhave, Principal V G Bhamburkar, Prof Sonalikar, Dr K C Deshmukh, Dr G S Khadekar, Dr A S Aswar Prof A G Deshmukh, Prof J N Salunke, Prof Pradeep Butey, Dr K D Thengane, Dr K T Thomas, for their useful suggestions and constant encouragement.
The author would like to thank to research colleague Prof Yelne, Prof Borkar, Prof Ambatkar, Prof Avinash Nagpure, Prof Tade, Prof Kandalkar, Prof Zade, Prof Mete, R A college staff members (Washim) and all the persons who helped him in this work.

The author is highly grateful to families of Dr Karade, Dr Adhav, Dr Dharme, Shri Vitthalrao Pokale, Prof R V Waghmare, Prof R Y Badukale, Prof Wasnik, Shri Mahadeoraoji Boddhe, Shri Pachbole sir and Shri R N Rekhate for motivation and goodwill. The author also thanks to Shri Pradeep Ghyar and Shri Amol Gadbail for D.T.P. work of thesis in a short time.

The author is deeply indebted to his parents for inspiration and divine blessings. Last but not the least he will never forget the patience and cheerful endurance of his wife, Sou. Sandhya, without her constant encouragement and full support, writing this thesis would have been impossible for him.

Date : 29th June 2001

(S D KATORE)
(M.Sc., M.Phil.)
R A Arts, M. K. Commerce and
S. R. Rathi Science Mahavidyalaya,
Washim.