ACKNOWLEDGEMENT

With a great sense of gratitude, I express my thanks to Dr. R.S. Singh, Reader in Mathematics, Department of Mathematics and Statistic, Dr. Hari Singh Gour Vishwavidyalaya, Sagar for his inspiring supervision and guidance in the preparation of this thesis.

It is my immense pleasure to acknowledge Prof. Ram Prasad, Head and Chairman of the Board of Studies, Department of Mathematics and Statistics, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.) for providing all kinds of necessary facilities of research in the department.

I am also thankful to all teachers and members of the Department of Mathematics and Statistics, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.) for their cooperation and mental support.

I am indebted to my parents who have constantly always encouraged me to do the best.

Singh and all family members for their kind cooperation and mental support.

I am extremely thankful to my colleague and friends Mr. Bhupendra, Dr. A.K. Dwivedi (R.A. N.P.L., New Delhi), Aviram Singh who made this thesis best efforts in completion of the thesis.

The encouragement received from Manish Trivedi, Sunil Vishwakarma, Bhaooram Khalipha, Prem Narayan Yadav, R.K. Chaurasiya, Miss Sangeeta Tripathi, Miss. Sandhya Patel, Miss. Sarita Parashar, Miss. Netu Singh, Mr. Rameshwar Prasad Shandilya, Jamuna Prasad Saini, Dr. R.K. Sonwane, Dr. V.K. Chaurasia, Dr. S.V.S. Chauhan for supporting me in completing this work.

At last, my thanks are due to typing Mr. R.R. Patel, Network Computers, Civil Lines, Sagar and Kailash Raikwar who helped me to turn my endeavours in the shape of this thesis.

September, 2002

(Daya Shankar Singh)