ACKNOWLEDGEMENTS

It is my great opportunity to offer my sincere gratitude to Dr. Bhaben Chandra Kalita, Professor and ex-Head of the Department of Mathematics, Gauhati University, Guwahati, Assam for his constant and careful guidance throughout the course of investigation of the works embodied in this thesis. His ample and dynamic guidance towards the completion of this thesis is acknowledged with profound respect. This work would not have been possible to complete without his inspiration and special attention.

The inspirations given by Dr. G.C. Sarma (Retd. Principal of A.V. College), Dr. A.C. Talukdar (Present Principal of A.V. College), and Dr. D. Goswami (Retd. Head, Dept. of Mathematics, A.V. College) are sincerely acknowledged.

I am thankful to the faculty members of the Dept. of Mathematics, Arya Vidyapeeth College, Guwahati for their constant encouragement towards the completion of the thesis.

I am greatly indebted to my wife Mrs. Anita Talukdar Barman for her constant inspiration, cooperation and painstaking helps offered during the entire course of work. The eagerness of my two children Minarv and Mayuram is something beyond description.

Guwahati, the 15th June 2009

(SATYENDRA NATH BARMAN)