ACKNOWLEDGEMENT

It gives me immense pleasure in placing on record my deep sense of gratitude to the man of wisdom, my research supervisor Dr. Aqeel Ahmed, Reader in the Department of Applied Mathematics, A.M.U. Aligarh, who showered his knowledge, scrupulous guidance and scholarly encouragement.

Throughout the tenure of this research work, Dr. M. Imdad, Department of Mathematics acted as a catalyst whenever the piece of the work suffered any retardation. Since the dawn of this research work, he always extended his sagacious and sapient advices. His quixotic help and assiduous interest always saved me from falling into abyss of despair. Infact, I do not have words to extol his intelligence rather to call him a paragon.

It is my privilege to express Profound sense of gratitude to my uncle Prof. M. Zubair Khan, Chairman, Department of Mathematics, who is always a source of inspiration to me from my childhood.

I feel equally obliged to acknowledge the immeasurable amount of gratitude, I owe to my wife who has mutely suffered the sweet pangs of predicament and survived the arduous task of living with the discontent which the work like this thesis creates. Needless to say, expressions of appreciation and sympathy are long overdue.

I must also record my indebtedness to Prof. Shaik Masood,
Chairman, Department of Applied Mathematics, A.M.U. Aligarh and Prof. Tariq Aziz for their encouraging attitude, guidance and providing the necessary facilities.

I shall ever remain indebted to Dr. Mumtaz Ahmad Khan, Dr. Abrar A. Khan, Dr. A. Hakim Khan, Mr. M. Hanif, Dr. M.D. Khan, Department of Applied Mathematics, A.M.U. Aligarh for their creative appreciation and showing keen interest in my work despite of their academic pre-occupations.

Fortunately, I am blessed with a galaxy of sincere and adoring colleagues and friends namely Mrs. B. Taiyab, Mr. Zahid Ahmad, Mr. Qamaruddin, Mr. Mehmood Ali, Mr. Dilshad Hasan, Dr. Shabbir Khan, M. Nizam and others whose kind, generous, friendly and constructive arguments helped me in a big way to complete this onerous task.

Last but not the least, I gratefully acknowledge the efficient and careful typing work of Mr. Masood Alam.

ABDUR RAUF KHAN