Words and lexicous can not do full justice in expressing a deep sense of gratitude and indebtedness which flows from my heart towards my esteemed supervisor Dr. Mumtaz Ahmad Khan, M.Sc., Ph.D. (Lucknow), Mathematics Section, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University Aligarh under whose benevolence and able guidance, I learned and ventured to write. His inspiring benefaction bestowed upon me so generously and his unsparing help and precious advice have gone into the preparation of this thesis. I shall not be able to repay for all that I have gained from him.

I wish to record a deep sense of gratitude to Prof. Syed Izhar Hussain whose inspiring help and encouragement during the trying moments of despair are mainly responsible for my coming out with flying colours in my mission of completing the Ph.D. work.

I shall always remain grateful to Prof. M. Mohsin, Chairman, Department of Mathematics, Aligarh Muslim University, Aligarh for providing me necessary research facilities in the department that the thesis has been the daylight. Thanks are also due to office assistants and seminar librarians who have always been courteous and helpful during my tenure as a research scholar in the department. The financial assistance from U.G.C. through Aligarh Muslim University must also be acknowledged.
I also take this opportunity to thank Prof. Nisar Ahmad Khan, retired Head of Mathematics Section, Zakir Hussain College of Engineering and Technology, for his untiring encouragement and providing research facilities whatever available in the section during his tenure as Head of the section.

It is my pleasant duty to thank Prof. Shaik Masood, the present Head of Mathematics section, Zakir Hussain College of Engineering and Technology, for his constructive criticism, invaluable suggestions and useful discussions that we have had from time to time during the course of this work.

My thanks are also due to Prof. Abul Hasan Siddiqui, Department of Mathematics and Dr. Tariq Aziz, Reader, Mathematics section Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, Aligarh for their moral support and encouragements for successfully completing this work.

I am particularly indebted to Dr. M.A. Pathan, Reader, Department of Mathematics, Aligarh Muslim University, Aligarh for lending a helping hand in getting myself enrolled for Ph. D. degree under the supervision of Dr. Mumtaz Ahmad Khan. Thanks are also due to him for his rendering all kinds of help from time to time during my stay at Aligarh as a research scholar.

I wish also to thank my teachers and fellow research workers of the Department of Mathematics who have contributed immensely by their helpful discussions. Thanks are also due to office superintendent
Mr. Azmat Ullah Siddiqui and to every teacher of Mathematics section Zakir Hussain College of Engineering who have contributed in any way to the completion of this thesis.

I shall be failing in my duties if I do not express my gratitude to the wife of my supervisor for her kind hospitality and inspiration during the completion of this thesis.

Finally, I owe a deep sense of gratitude to the authorities of Aligarh Muslim University, my Alma Mater, for providing me adequate research facilities.

Dated: 5.11.84

(Abdul Hakim Khan)