ACKNOWLEDGMENT

At the outset, I bow before Almighty, the Lord of the worlds, who has taught the use of the pen, and whose benign benediction granted me the courage, patience and strength to embark upon this work and carry it to its successful completion. It is He who made me create my niche.

I acknowledge with deep sense of gratitude and take this opportunity to put on record, profound thanks to my supervisor Dr. Vakeel Ahmad Khan, Assistant Professor, Department of Mathematics, Aligarh Muslim University, Aligarh, for his invaluable support, encouragement and useful suggestions throughout this work. His moral support and guidance enabled me to complete my work successfully. I have been amazingly fortunate to have an advisor who gave me the freedom to explore on my own.

I am immensely grateful to Prof. Afzal Beg, Chairman, Department of Mathematics, Aligarh Muslim University, Aligarh, for providing me all the possible facilities available in the department in carrying out this work in pursuit of course of study. I also thank all my teachers who have continuously worked hard to increase our knowledge, academically as well as morally.

I am, as ever, especially indebted to my parents, Mr. Shuaib Ahmad Khan and Mrs. Laila Begum and my parents-in-law Mr. Nazeer Muhammad and Mrs. Arshadi Khatoon whose blessings and prayers have brought me up to this stage of life. Also, it is my pleasure to express my gratitude to my eldest brother-in-law Peerzadah Mufti Shabbir Ahmad Qasmi, whose prayers and trust supported me at all ups and downs of life. I also wish to thank my sisters Nargis Khan and Raziya Khan and my most loving brother Mr. Vaseem Khan for their love, care and support throughout.

Also, I am grateful to my room-mate Ms. Gulshan Zubair, and my friends Ms. Sadaf Nasreen, Mrs. Tabinda Nusrat, Ms. Tabassum Khan, Ms. Shahnaaz, Mrs. Leena Paquiza and Ms. Afifa Kaleemullah. The completion of this dissertation would have been rather impossible without their wholehearted support, encouragement and patience. I greatly value their friendship and I deeply appreciate their belief in me.

2
I am also very much grateful to all my friends and classmates especially Ms.Hibah Islahi, Ms.Nazia Parveen, Ms.Taranum Khan, Ms.Sana and Mrs.Shikha Varshney. They have helped me stay same through these difficult years. Their support and care helped me overcome setbacks and stay focussed on my goal. Moreover I also express my appreciation to all my seniors especially Ms.Sabiha Tabassum and Ms.Nargis Jamal, who helped me overcome my doubts and were always there whenever I needed them. They provided me with the most required guidance, since day one of my work. I feel shortage of words to pay thanks to them.

Last but not the least, the most important person in my life, My husband, Maulana Muhammad Arif Nazeer has been the source of inspiration in all my ways. He kept the flame of enthusiasm, illuminating by his influencing words, affection and care. For me, he stood as milestones in the rocky tracks of life.

Finally, I express my indebtedness to my glorious and esteemed institution, Aligarh Muslim University, Aligarh, and U.G.C, for providing me financial assistance in the form of scholarship during my research programme.

(Nazneen Khan)