Acknowledgement

I take this auspicious opportunity to express my deepest sense of gratitude to my supervisor Dr. R. B. Srivastava, Reader, Mathematics Department, M. L. K. (P. G.) College, Balrampur for his valuable guidance, keen interest and constant encouragement throughout the course of my research work. I express my gratitude and indebtedness to Principal, M. L. K. (P. G.) College, Balrampur for providing research facilities and cooperation.

I am very thankful to Prof. A. A. Ansari, Head Department of Mathematics, D. D. U. University Gorakhpur for constant encouragement and providing library facilities. Also I am thankful to Prof. Akeel Ahmad, Department of Mathematics & Statistics, Lucknow University, Lucknow (Incharge, Tagore Library, Lucknow University) for constant encouragement and providing library facilities.

I would like to pay my regards to all my teachers particularly Prof. Ramesh Chandra Srivastava, D. D. U. University, Gorakhpur, Dr. M. Q. Khan, Head Department of Mathematics, St. Andrews College, Gorakhpur, Prof. Ram Niwas, Head Department of Mathematics, Lucknow University, Lucknow, Prof. Manju Agrawal, Dr. H. S. Shukla, Prof. Riyaz Ahmad, Head, Department of Mathematics, Integral University, Lucknow and Prof. Nazrul Islam, Head, Department of Mathematics, A. I. E. T., Lucknow.

There are no words to express affections and moral support by my all the family members who always have been a source of inspirations and encouragement to me. I express my thanks to all members of my research group for their assistance during the whole research work. Above all, I remember The Almighty Who has given me the energy and the enthusiasm to accomplish the present work.

Date: 24-01-08

(Azizul Hasan)