## Acknowledgements

I am extremely obliged to my supervisor, Dr. Kangujam Priyokumar Singh, Associate Professor, Department of Mathematical Sciences, Bodoland University, Kokrajhar, BTC, Assam, India for his excellent inspiring supervision and continuous encouraging guidance with outstanding knowledge and dedication till the completion of my research work. It has become possible to overcome all the complexities of my research work, only due to his valuable assistance, encouragement, constant appreciation and counseling with excellent knowledge and devotion. I convey my gratitude to Mrs Okram Bimota Devi, better half of my honorable supervisor for her kindness.

I convey my sincere thanks to the Principal of Commerce College Kokrajhar, Dr. R. Debnath for his moral support and for extending all round co-operations in the entire period. I am also thankful to the Governing Body of Commerce College, Kokrajhar, Director, Education, BTC & Bodoland Territorial Council, Education Department for giving me 'No objection Certificate' for the said purpose. My sincere thank goes to Mr. A. Sengupta, Vice-Principal, Commerce College, Kokrajhar and all other colleagues of the college for their active help and co-operation.

Further, I also acknowledge my debt to Prof. Koijam Manihar Singh, (Retd) Professor of Mathematics, Department of Mathematics, ICFAI University, Tripura for his kind & valuable suggestions and guidance in my research work.

It gives me immense pleasure to express my gratitude to my fellow research scholars, Bhimraj Basumatary, Rajshekhar Roy Baruah and Mukunda Dewri for their continuous inspiration during my research work. I also acknowledge my debt to my friend Safiqul Islam and all other persons, who help me directly or indirectly in my research work.

Finally, I would like to express my deep gratitude and homage to my beloved father, Late Abdul Malek Mollah who dreamt my academic excellence and my mother Nurjahan Begum, children, Mahjabeen Ruhi & Masoom Abrar Mollah and in-laws. I convey my special thanks

to my wife Rabeya Sultana for giving me continuous encouragement and providing congenial atmosphere for research work.

Place : Kokrajhar Date : 23-10-2017 Mahbubur Rahman Mollah Research Scholar Department of Mathematical Sciences Bodoland University,Kokrajhar