**ACKNOWLEDGEMENT** 

First and foremost, I offer my sincere gratitude to my Supervisor Prof.

Munindra Borah, Dept. of Mathematical Sciences, Tezpur University, Tezpur for his

foresight, encouragement, constant support and skilful guidance. His guidance helped

me in the entire research period and preparation of manuscript.

I would like to express my gratitude to Dr. Bhim Prasad Sarmah, HoD and also

the members of Doctoral Committee, Prof. Debajit Hazarika and Dr. Santanu Dutta,

Dept. of Mathematical Sciences, Tezpur University.

I am indeed grateful to all the faculty and staff members of Dept. of

Mathematical Sciences, Tezpur University for their support and valuable suggestions.

I gratefully acknowledge the financial support received from the Ministry of

Tribal affairs, Government of India through National fellowship for Higher education

of ST Students for my Ph.D.

I would like to thank my friends and fellow research scholars Akankhya,

Dharitree, Gayatri (Baa), Raja, Jayanta, Jutirekha Baa, Pallabi, Pearl, Rinku, Sangeeta

Baa, Suparna and Zakir. I am also grateful to Deepjan Gohain, Assistant Professor,

Dept. of Mathematics, Lakhimpur Commerce College for enlightening me the first

glance of my research.

I would like to thank my parents (Maa and Papa) and to my brother (Dharani)

and sister (Gitamoni) for their constant support and never ending faith in me.

Last but not the least; I thank almighty God for his benevolence.

Date:

Place: Tezpur

(Junali Hazarika)

V