Acknowledgement

I deem it as a rare privilege to utilize this opportunity to acknowledge my heartfelt thanks and indebtedness to Dr. G. Suresh Singh, my superior and guide, who has been my mainstay of inspiration and encouragement throughout my research work. I earnestly admit that, but for his constant encouragement and guidance, it would have been next to impossible for me to carry out this hectic task. As and when I found myself entangled and confused in certain problems, and sought his advice, he has always been willing to come to my rescue. Words are inadequate to express my gratitude to you my most sincere and humble thanks to Dr. G. Suresh Singh forever.

Moreover, I would like to express my heartfelt thanks to Dr. M. J. J. J. Professor and Head, Department of Mathematics, University of Kerala, Kariyamman who encouraged and nourished my thoughts to carry on my work and guided me in many ways. The stimulating discussions I had with him during the great extent to which he has helped me.

Furthermore, it is a real privilege and pleasure to extend my immense gratitude to Dr. A. K. Pillai, Professor, Department of Mathematics, University of Kerala, Kariyamman who has been quite appropriate in this staff - both teaching and non-teaching of the Department of Mathematics - all of whose untiring and enthusiastic efforts during the strenuous period of my research.

... Dedicated to my parents and sisters...
Acknowledgement

I deem it as a rare privilege to utilize this opportunity to acknowledge my heartfelt thanks and indebtedness to Dr.G.Suresh Singh my superior and guide, who has been my mainstream of inspiration and encouragement throughout my research work. I earnestly admit that, but for his constant encouragement and guidance, it would have been next to impossible for me to carry out this hectic task. As and when I found myself entangled and confounded in certain problems, and sought his advice, he has always willing to come to my rescue. Words are inadequate to express my gratitude to you sir; and my most sincere and humble thanks to Dr.G.Suresh Singh forever.

Moreover I would like to express my heartfelt thanks to Dr.M.I.Jinnah, Professor and Head, Department of Mathematics, University of Kerala, Kariavattom who encouraged and nourished my thoughts to carryout my work and guided me in manyways. The stimulating discussions I had with him helped me to a great extent to evolve new and different approaches.

Further it is a rare privilege and pleasure to extend my immense gratitude to Dr.A.R.Rajan, Professor, Department of Mathematics, University of Kerala. A special mention is quite appropriate in this context to place on record my sincere thanks to the other members of the staff - both teaching and non-teaching of the Department of Mathematics - all of whom, encouraged me in some way or other, during the strenuous period of my research.
I would be greatly obliged and thankful to Mrs.Ananda Valliamma, Senior Grade Lecturer, Department of Mathematics, N.S.S. Hindu College, Changanacherry for her constant encouragement and invaluable advice.

I will be failing in my duty if I forget to mention my earnest thanks to the research scholars and friends who were a constant boost and boon to me in all my endeavours. A lot of thanks and sincere regards to Mr.Reji.T, M.Phil student of this department who had read through the first typed version of the Thesis, and brought to my notice many typographical errors.

I am in every way indebted to the authorities of the University of Kerala for granting me permission to do my research in the esteemed Department and utilize library facilities at Kariavattom and Trivandrum.

I have to express my sincere thanks to Mr.K.Kalyanaraman, Lecturer (Selection Grade) Department of Statistics, University of Kerala, Kariavattom, meticulously read the entire manuscript correctly, or else many "a slip between the cup and the lip".

No thesis work is successfully and skillfully completed unless it is typed neatly and correctly. Mr.Varghese John and Staff, John Studio, Plamood, Trivandrum undertook this arduous work quite willingly and executed the work with meticulous precision. It is indeed a matter of great pleasure for me to thank them most sincerely for their flawless work.
Above all, with utmost reverence and gratitude I submit myself and my work before the Almighty God who made me enable every challenge into success till this day of seeing my thesis in print. Thank you Lord for thy inestimable benefit.

Mathew Varkey, T.K.