

ACKNOWLEDGEMENT

It has been my proud privilege to have completed the work and submitted the thesis under the inspiring supervision and able guidance to Dr. K.N. Singh, M.Sc., Ph.D., Reader in the Department of Mathematics, S.G.R.P.G. College, Dobhi, Jaunpur. I take this opportunity of acknowledging my heart-felt indebtedness to him for the most valuable guidance, kind advice, sympathetic criticism and very generous encouragement he has throughout extended to me during my research career.

I take much pleasure in offering my respectful thanks of Dr. P.K. Singh, Principal, S.G.R.P.G. College, Dobhi, Jaunpur, for providing me necessary facilities and encouragement.

I offer my respectful thanks to Dr. P.S. Singh, Reader and Head, Department of Mathematics, S.G.R.P.G. College, Dobhi, Jaunpur, for his discussions and able suggestions for time to time.

Co-operation and help extended to me by Reader and Lecturers of the Department of Mathematics, S.G.R.P.G. College, Dobhi, Jaunpur.

I would like to mention a sense of obedience, love and care provided by my mother Smt. Karuna Singh, my father Sri Lal Bahadur Singh, my brother Mr. Prashant Kumar, Mr. Vivek Kumar, Mr. Lalit Kumar and my bhabhi Smt. Alka Singh. My heart felt thanks are due to my niece Deepa Singh and Sakshi Singh for encouraging me to complete my present work.

I deeply acknowledge the blessing of my Grand father Sri Raj Nath Singh, Sri Uday Raj Singh and R.P. Singh which have always been continuous source of inspiration and encouragement to me.

In the last, but not the least, I am also thankful to my friends Mr. Manish Trivedi, Mr. Pawan Maurya and Km. Seema Singh for extending their co-operation. I aslo very much thankful to Mr. Ramesh Vishwakarma for devoting to much of his time to assures with sincere efforts in typing this thesis.

April 2007

Prabhat Kumar Singh
Prabhat Kumar Singh