ACKNOWLEDGEMENTS

No words can express the depth of my sincere gratitude to my supervisor, Prof. Dr. T. D. Narang, whose sagacity, supervision and support helped me to reach at this stage. His constant encouragement, valuable suggestions and constructive ideas enabled me to develop an understanding of the subject. It has been a great privilege to work with him.

I also express my sincere appreciation to all my mentors and the members of the Department of Mathematics, Guru Nanak Dev University for their formal and informal discussions during my stay.

It is a great pleasure to express my gratefulness to CSIR, India for providing me junior research fellowship for the period from April 2004 to February 2006 during my research work.

I am very much indebted to my teacher as well as colleague Ms. Sangeeta. She helped me in understanding the basics of higher Mathematics without which I would have lagged a way behind and never reached here. I gained a lot from her by way of discussions not only during my research work but also during writing of my thesis.

My special thanks goes to my husband Mr. Sanjib Sharma, my parents Sh. Ashok Kumar Tejpal and Smt. Meena Tejpal, and my in-laws Sh. Ramesh Sharma and Smt. Usha Sharma for keeping me away from family responsibilities and for providing an unconditional love and support at each turn of the road.

Shavetambry Tejpal