## **ACKNOWLEDGEMENTS**

I take this opportunity to express my indebtedness and a deep sense of gratitude to my Guide Dr.M.S.Chaudhary, Lecturer, Department of Mathematics, Shivaji University, Kolhapur. I gratefully acknowledge his invaluable help, guidance and the encouragement which I received from him throughout my work.

I am grateful to Dr.L.Radhakrishna, Head of the Department of Mathematics, Shivaji University for providing all the facilities during the work. I am thankful to teaching and non-teaching staff of Department of Mathematics, Shivaji University, Kolhapur for their kind co-operation.

I am also grateful to my father-in-law, Mr.Krishnaji N. Joshi and my husband Mr.Pradip who encouraged me for higher studies.

Finally I would like to express my thanks to the Librarian, Shivaji University, Kolhapur for providing me library facilities.

Kolhapur.

Date:

SPJoshi - Sou.S.P.Joshi