

## ACKNOWLEDGEMENT

I would like to express my deep gratitude to Dr. M.D.Bhand, M.Sc., Ph.D., Lecturer in Physical Chemistry, Department of Chemistry, Shivaji University, Kolhapur for his constant encouragement, most helpful comments and generous and most valuable guidance, without which this work would not have been possible. I shall ever remain grateful to him.

My sincere thanks are to Dr. N.B. Patil, Professor and Head, Department of Chemistry, Shivaji University, Kolhapur for the inspiration and providing the facilities during work.

I am also grateful to the management of Abhinav Shikshan Sanstha, Nanded for granting me permission to complete M. Phil. course.

I wish to express my deep sense of gratitude to Dr. A.M. Chavan, Head, Physical Chemistry Section, Dr.S.N.Deshmukh, Dr.S.K.Halibatti and Dr. V.S.Kulkarni for their continuous encouragement and hearty co-operation. I am thankful to members of teaching and non-teaching staff of Chemistry Department, for their kind co-operation.

I believe it as my pleasant duty to offer thanks to my affectionate friends Shri H.V.Nandanwankar, Shri P.G.Pathak for their co-operation.

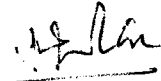
I express my deep gratitude to my wife Mrs. Amita Peshwe, for her co-operation during the completion of the work.

I shall be failing in my duty if I do not express my sense of gratitude to my brothers Anil, Arun and Avinash for their co-operation.

Last but not least, I would like to express my thanks to Miss Geeta Gosavi for her neat and clean typing and Shri U.K. Baraskar for his correct drawings.

KOLHAPUR

DATE : 23<sup>rd</sup> NOV. 1989



( Ajit G. Peshwe )