

## **DECLARATION**

I hereby declare that the research work presented in this thesis has been carried out in the Department of Mathematics, Osmania University, Hyderabad. It neither contains material previously published, written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of this university or any other institute of higher learning, except where due acknowledgment has been made in the text.

Date:

**(K. Rama Rao)**