## CERTIFICATE

This is to certify that Shri R. S. Kaulgud has completed all the work incorporated in the Dissertation under my personal guidance. This work is carried out to fulfil the partial requirements of his M.Phil. Degree (in Physics) of Shivaji University, Kolhapur.

Uls-0,-

Place : Kolhapur Date : 23/08(200)

Research Guide (Dr. M. K. Soudagar) Prof. & Head Department of Physics Shivaji University Kolhapur.