CERTIFICATE

This is to Certify that Shri.U.S.RAIKAR has completed all the work incorporated in this Dissertation under my personal guidance.

The work is carried out in the partial fulfilment of the requirements of his M.Phil.Degree(Physics) of Shivaji University, Kolhapur.

PLACE: KOLHAPUR

DATE: 20.10.89

1-4-1-1-

Research Guide Dr.M.K.Soudagar M.Sc.,Ph.D. Department of Physics, Shivaji University, KOLHAPUR - 416 004