CERTIFICATE

I hereby certify that the entire work in dissertation entitled SPECTROPHOTOMETRIC DETERMINATION OF SOME METALS WITH THIOSEMICARBAZONE has been carried out by Shri. A.G. Wandre under my supervision and guidance in Department of Chemistry, Shivaji University, Kolhapur and that any part of it has not submitted for any degree diploma or membership of any University or institute previously.

Kolhapur.

Date: 1 0 Jan

V. A. Jackav.

Dr.(Mrs.) V.A. Jadhav,

(Research Guide)

Reader in Chemistry,

Shivaji University,

KOLHAPUR-416004.