


C E R T I F I C A T E

This is to certify that the work incorporated  
in this dissertation is a bonafid<sup>de</sup> research work carried  
out by Shri Mulik Ramesh Namdeo under my guidance.

P  
Place : Solapur  
Date : 23<sup>rd</sup> June 1993

  
(Dr. N. S. Dhayagude)  
Guide Teacher.

HEAD OF PHYSICS DEPARTMENT  
B. B. F. DAYANAND COLLEGE OF ARTS  
AND SCIENCE, SOLAPUR.