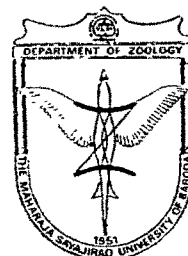


THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



DEPARTMENT OF ZOOLOGY  
FACULTY OF SCIENCE  
BARODA-390 002  
INDIA



C E R T I F I C A T E

This is to certify that the thesis  
incorporates the results of independant investi-  
gations carried out by the candidate himself in  
the department of Zoology, Faculty of Science,  
M.S. University of Baroda, Baroda.

Candidate

Md. Zahangir Alam

Md. Zahangir Alam

December 1989

Guiding Teacher

Dr. A.K. DESAI  
Professor of Zoology