

DEPARTMENT OF PHYSICS
UNIVERSITY OF NORTH-BENGAL
North Bengal University
Darjeeling (W.B.)
734430 INDIA.



Phone : Office - (03556) 414
From Siliguri dial 92-414
Railway Station : New Jalpaiguri (NFR)
Airport - Bagdogra

(TO WHOM IT MAY CONCERN)

This is to certify that the work reported in this thesis entitled " Studies of Physical Properties of Mesogens containing Cyanobiphenyls and their Mixtures" by Sri Malay Kumar Das has been carried out by the candidate himself under my direct supervision and guidance. Sri Malay Kumar Das has fulfilled all the requirements for the submission of the thesis for Ph.D degree of the University of North Bengal. Only one part (Chapter 6) of this thesis has been performed in collaboration with Chemistry Department, University of Sheffield, U.K., however, in this case the contribution of Sri Das is, in fact, very substantial. In character and disposition Sri Malay Kumar Das is suitable to submit the thesis for Ph.D degree.

Date: 30/6/93


(Ranjit Paul)

Professor of Physics and the Guide.