CERTIFICATE

We certify that Miss Pragati Pradhan has prepared the thesis entitled "PULSE PROFILE STUDIES AND HARD X-RAY PROPERTIES OF NEUTRON STARS", for the award of Ph.D. degree of the University of North Bengal, under our joint guidance. She has carried out the work at the Department of Physics, University of North Bengal and Raman Research Institute, Bengaluru.

Dr. Bikash Chandra Paul

Inbank

Professor

Department of Physics

University of North Bengal

Raja Rammohunpur

West Bengal

Department of Physics Department of North Bengal Bengaluru
University of North Bengal

Date: 05-07-2016

Dr. Biswajit Paul

Professor

Astronomy and Astrophysics Group

Raman Research Institute

Birraji Paul

Sadashivnagar

रामन अनुसंधान संस्थान Raman Research Institute सी.वी. रामन अवेन्यू C.V. Raman Avenue सदाशिवनगर पी.ओ. Sadashivanagar P.O. बेंगलूर Bangaiore - 560 080