ANTIOXIDANT AND IMMUNOMODULATORY ANALYSIS OF MERCURY AND CADMIUM INDUCED MODULATION OF NON SPECIFIC HOST DEFENSE IN FRESH WATER FISH CHANNA PUNCTATUS

A THESIS SUBMITTED TO ASSAM UNIVERSITY, SILCHAR IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE DEPARTMENT OF BIOTECHNOLOGY

SUBMITTED BY

MORIOM BEGAM

Ph.D. Registration No. Ph.D./799/2009 dated 17.08.2009



DEPARTMENT OF BIOTECHNOLOGY HAR GOBIND KHORANA SCHOOL OF LIFE SCIENCES

ASSAM UNIVERSITY SILCHAR - 788 011 2015