



UNIVERSITY OF NORTH BENGAL

RajaRammohumpur•Siliguri 734013•West Bengal•India

CERTIFICATE

We certify that the thesis entitled, “Genomics of some pathogenic food bacteria and molecular modeling of their important toxins and their interactions” submitted by Mr. Uttam Kumar Mondal for the award of PhD degree from Department of Chemistry of Raiganj College (University College), embodies the record of the original investigation carried by him under our supervision. He has been duly registered and the thesis presented is worthy of being considered for the award of Doctor of Philosophy (Science) degree in Chemistry. The work has not been submitted for any degree of this or any other university and is in accordance with the rules and regulations of the University of North Bengal.

(Asim K Bothra)

Supervisor

Reader

Department of Chemistry

Raiganj College(University College)

Date: 27.12.10

READER

Dept. Of Chemistry

Raiganj College(University College)

(Arnab Sen)

Co-Supervisor

Reader

Department of Botany

University of North Bengal

Date: 27.12.10

Dr. Arnab Sen

Reader in Botany

University of North Bengal