## UNIVERSITY OF NORTH BENGAL



DRS DEPARTMENT OF BOTANY (UGC-SAP & DST-FIST assisted) RAJA RAMMOHUNPUR, P.O. NORTH BENGAL UNIVERSITY DIST. DARJEELING, WEST BENGAL, INDIA, PIN 784013

Phone: +91-353-2776337, FAX: +91-353-2699001

Date 23rd October 2017. Ref. No.....

## **CERTIFICATE**

I certify that Suchisree Jha has prepared the thesis entitled "Studies of biochemical attributes of mulberry leaves and silkworm rearing system through elicitation by peptides and other growth regulators" for the award of PhD degree of the University of North Bengal, under my guidance. She has carried out the work at the Department of Botany, University of North Bengal.

She bears a good moral character and I wish her all the best in life.

Dr. Palash Mandal

Department of Botany, University of North Bengal

P.O: NBU campus, Raja Rammohunpur,

Siliguri, West Bengal,

Pin: 734013, India

Date:

## ASUTOSH COLLEGE

(ESTD 1916)

(ACCREDITED BY NAAC-UGC) A - GRADE 92, Shyamaprasad Mukherjee Road

Kolkata 700026, West Bengal, India Phone: (091) (033)2454 3329/ 24542371

> Email: asutoshcollege@vsnl.net Web: www.asutoshcollege.net Fax: (091) (033) 2454 3329

## **CERTIFICATE**

I do, hereby, certify that Suchisree Jha has worked for and prepared the thesis entitled "Studies of biochemical attributes of mulberry leaves and silkworm rearing system through elicitation by peptides and other growth regulators" for the award of Ph.D degree in the University of North Bengal under my Co-Guidance. She has been selected as Research Fellow in the UGC major project on Mulberry leaf peptide(s) and carried out the extraction of mulberry peptide part of her research works at the Department of Botany, Asutosh College, Kolkata. She bears an innovative mind and her hard works included in this thesis is genuine to the belief of my knowledge.

She bears a good moral character and I wish her all the best in life.

Dr. Amitava Ghosh

Department of Botany, Asutosh College

S. P. Mukherjee Road,

Kolkata, West Bengal,

Pin: 700026, India

Date:

Dr. AMITAVA GHOSH
ASST. FLOFESSOR
DEPARTMENT OF BOTANY
ASUTOSH COLLEGE
92, S.P. MUKHFRJEE ROAD
KOLKATA-144 428