

DEPARTMENT OF BOTANY & FORESTRY VIDYASAGAR UNIVERSITY

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This is to certify that the research work presented in this thesis entitled, "Phenetic Analysis of Senna obtusifolia (L.) H. S. Irwin & Barneby Provenance, Prospecting Greater

Availability of its Bioactive Principle" has been carried out by Ms. Aparna Maiti (Dey) under my supervision. The work, submitted for the award of the degree of Doctorate of

Philosophy (Science) has been done by complying with the rules and regulations and the

specifications framed by this university. This work is original in all respects and has not

been presented anywhere seeking any other degree or award. The sources of information

taken as help for executing the work and drawing support in discussing the significance of

the work have been duly acknowledged.

Date: 17th June, 2019

Dr. Asis Kumar Nandi

Supervisor of the Thesis