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CERTIFICATE

This is to certify that the work presented in the Ph.D. thesis entitled “**Greener approach for one pot synthesis of quinoline derivatives and some nitrogen containing reaction intermediates**”, has been carried out by **Ms. Parishmita Sarma** under my supervision and guidance. The thesis embodies accounts of her own findings and submitted to the School of Sciences, Tezpur University in part of fulfillment for the award of the degree of Doctor of Philosophy in Chemical Sciences. She has been duly registered (Registration No. TZ121487 of 2012) and has fulfilled all the requirements specified in the Ph. D. regulations of Tezpur University including course work.

All help received by her from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any degree or diploma.

Tezpur University

Date:

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CERTIFICATE OF THE EXTERNAL EXAMINER AND ODEC

This is to certify that the thesis entitled “**Greener approach for one pot synthesis of quinoline derivatives and some nitrogen containing reaction intermediates**” submitted by **Ms. Parishmita Sarma**, Department of Chemical Sciences, School of Sciences to Tezpur University in partial fulfillment for the award of the degree of **Doctor of Philosophy** in Chemical Sciences has been examined by us on..... and found to be satisfactory.

The committee recommends for the award of the degree of Doctor of Philosophy.

Signature of

Principal Supervisor

Date:

External Examiner

Date: