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CERTIFICATE

I certify that Mr. Rabindranath Singha has prepared the thesis entitled "Chemical transformation of Carbocyclic Compounds and Development of Novel Reaction Protocols", for the award of Ph.D. Degree of the University of North Bengal, under my guidance. He has carried out the research work at the Department of Chemistry, University of North Bengal. No part of this thesis has formed the basis for the award of any degree or fellowship previously.

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Date: 18.02.2021

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