



UNIVERSITY OF NORTH BENGAL

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DEPARTMENT OF CHEMISTRY

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CERTIFICATE

I certify that **MANOSWITA HOMRAY** has prepared the thesis entitled “**THEORETICAL INVESTIGATION ON THE DEVELOPMENT OF NEW AROMATIC SYSTEMS AND THEIR APPLICATIONS**”, for the award of PhD degree of the University of North Bengal, under my guidance. She has carried out the work at 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.

Dr. Anirban Misra 7.12.2020

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