



UNIVERSITY OF NORTH BENGAL

DEPARTMENT OF CHEMISTRY

ENLIGHTENMENT TO PERFECTION

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CERTIFICATE

I certify that **Mossaraf Hossain** has prepared the thesis entitled **SOLVENT FREE SYNTHESIS OF SOME HETEROCYCLES AND THEIR APPLICATIONS** for the award of Ph.D. degree of the University of North Bengal, under my guidance. He has carried out the 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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