DECLARATION

I, Hamida Khatun hereby declare that, this thesis entitled "**Some flow problems on magnetohydrodynamic free convective heat transfer flow**" submitted by me to the University of Science and Technology Meghalaya in partial fulfillment of the requirement for the award of the Degree of **Doctor of Philosophy** is the result of the bonafide work carried out by me under the benign guidance of Dr. Sahin Ahmed, Associate Professor & HoD, Department of Mathematics, Rajiv Gandhi University, Rono Hills, Itanagar, Arunachal Pradesh and Dr. S. M. Buzarbaruah, Professor & HoD, Department of Mathematics, University of Science and Technology Meghalaya.

I, further declare that the results presented here have not been previously submitted for any diploma or degree either in this or any other University/Institute.

Hamida Khatun

(*Hamida Khatun*)

Place: 9th Mile

Date: 30th August, 2017