MATHEMATICAL ANALYSIS OF MAGNETOHYDRODYNAMICS FLOW OF NON-NEWTONIAN FLUID

A THESIS SUBMITTED TO



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

FOR THE AWARD OF THE DEGREE OF

DOCTOR OF PHILOSOPHY

IN

MATHEMATICS

BY

RAHUL MEHTA

UNDER THE GUIDANCE OF

DR. H. R. KATARIA

PROFESSOR, DEPARTMENT OF MATHEMATICS

FACULTY OF SCIENCE

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

VADODARA 390002

April— 2021