ANALYSIS OF VIBRATIONAL SPECTRA OF BENZENE AND ITS DERIVATIVES BY USING LIE ALGEBRAIC METHOD

A Thesis submitted in partial

fulfillment of the Requirements for the

DEGREE OF DOCTOR OF PHILOSOPHY IN PHYSICS

Submitted by

SURJA KUMAR SINGHA

Registration Number Ph. D/1173/2010 Dt. 15.09.10

To

DEPARTMENT OF PHYSICS

ALBERT EINSTEIN SCHOOL OF PHYSICAL SCIENCES

ASSAM UNIVERSITY

SILCHAR-788011,ASSAM, INDIA

Year of submission- 2014