Declaration

I do hereby declare that the present Ph.D. thesis entitled "Inverse 1-Center and Minimum Average Distance Problems on Graphs" embodies original research work solely carried out by me in the Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India under the guidance of Prof. Madhumangal Pal, Professor, Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore and Dr. Sukumar Mondal, Department of Mathematics (UG and PG), Raja N. L. Khan Women's College, Gope Palace, Midnapore.Programming, Vidyasagar University, Midnapore, West Bengal, India and no part thereof has been submitted for any degree or diploma in any University/ Institution.

Date: 18.07.2020

Place: Midnapore

Bimoamath Jama

(Biswanath Jana)