

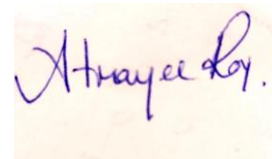
# **DECLARATIONS**

I thereby certify that,

1. The experiments were performed by me under the guidance of my supervisors and the results are all original.
2. The present study has not been submitted to any other institute for any degree or diploma.
3. I have followed the guidelines provided by the institute in preparing the thesis.
4. I have followed the ethical norms and guidelines during the experiments.
5. The concepts used in my study have been cited accordingly, if it is taken from their study.
6. The materials/write-up quoted from other sources are in due quotations in my thesis.

**Date: 11.11.20**

**Place: Burdwan.**



**(ATRAYEE ROY)**