

**A STUDY OF TOPOLOGICAL INDICES AND THEIR BOUNDS
WITH APPLICATIONS TO MOLECULAR GRAPHS**



**Thesis submitted in partial fulfillment for the
Award of the Degree**

Doctor of Philosophy

By

Abhay Rajpoot

**DEPARTMENT OF MATHEMATICAL SCIENCES
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI - 221005
INDIA**

Roll No.: 17121013

July 2022