

**School of Mathematical and Computational Sciences
Indian Association for the Cultivation of Science**

Theory of Computation II: COM 5108

M. Sc Semester III: 2023-2024

Instructor: Goutam Biswas

1. Theory of Computation by Michael Sipser, (3rd. ed.), Pub. Cengage Learning, 2013, ISBN-13: 978-81-315-2529-6.
2. Computational Complexity, by Christos H. Papadimitriou, Pub. Addison-Wesley, 1994, 0-201-53082-1.
3. Computational Complexity: *A Modern Approach*, by Sanjeev Arora and Boaz Barak, Pub. Cambridge University Press, 2009, ISBN 978-0-521-42426-4.
4. Automata and Computability, by Dexter C. Kozen, Pub. Springer, 2002 (India reprint), ISBN 3-540-78105-6