

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

Theory of Computation II: COM 5108

M. Sc Semester III: 2025-2026

Instructor: Goutam Biswas

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2. Theory of Computation by Michael Sipser, (3rd. ed.), Pub. Cengage Learning, 2013, ISBN-13: 978-81-315-2529-6.
3. Computational Complexity, by Christos H. Papadimitriou, Pub. Addison-Wesley, 1994, 0-201-53082-1.
4. Computational Complexity: *A Modern Approach*, by Sanjeev Arora and Boaz Barak, Pub. Cambridge University Press, 2009, ISBN 978-0-521-42426-4.
5. Mathematics + Computation *A Theory Revolutionizing Technology and Science* by Avi Wigderson, 2019, Princeton University Press, ISBN 978-0-691-18913-0.
6. Automata and Computability, by Dexter C. Kozen, Pub. Springer, 2002 (India reprint), ISBN 3-540-78105-6