

# Discrete Structures (CSN-106)

## Course Plan

### BTech 1st Year (CS) + Minor

Instructor: **Ranita Biswas**  
Department of Computer Science and Engineering  
Indian Institute of Technology Roorkee  
Roorkee, Uttarakhand - 247667, India



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- **Introduction to Number Theory:** Remainder theorem, gcd, factorization theorem.

# Marks Distribution

- Class Tests: 10%
- Tutorial and Assignments: 15%
- Mid-term Exam: 25%
- End-term Exam: 50%

# Books

- Rosen, K.H., Discrete Mathematics and its Applications with Combinatorics and Graph Theory, McGrawHill.
- Enderton, H.B., Elements of Set Theory, Academic Press.
- Harary, F., Graph Theory, Narosa Publishing House.
- Deo, N., Graph Theory with Applications to Engineering and Computer Science, Prentice-Hall.
- West, D.B., Introduction to Graph Theory, Pearson Education.
- Huth, M. and Ryan, M., Logic in Computer Science: Modelling and Reasoning about Systems, Cambridge University Press.
- Herstein, I., Abstract Algebra, Pearson Education.
- Judson, T.W., Abstract Algebra: Theory and Applications.