

TECNIA INSTITUTE OF ADVANCED STUDIES
Grade 'A' Institute
Department of Information, Communication & Technology
Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. Academic Session 2021-22)
(Dec 2022): GGSIP University, Delhi

COURSE CODE: BCA 101

COURSE NAME: DISCRETE MATHEMATICS

LEARNING OBJECTIVES:

The objective of this course is to provide the learners with the following:

1. Knowledge about sets, relations and functions.
2. Make them familiar with basics of lattices and graphs.
3. Understanding of the concept of propositional logic.
4. Acquiring the insight of combinatorics and recurrence relations

PRE-REQUISITES: Basic Concepts of Mathematics

COURSE OUTCOMES (COs):

After completion of this course, the learners will be able to:-

CO #	Detailed Statement of the CO
CO1	Understand the basics conceptual math and relations.
CO2	Understand and apply partial order and recurrence relation and their operations.
CO3	Compare and design, sorting and hashing techniques.
CO4	Appraise and determine the correct logic and solutions for any given real world problem.