



Prahladrai Dalmia Lions College of Commerce & Economics

ISO 21001:2018

BSc.CS (Computer Science)

Syllabus for Class Test, (CIA), AUGUST, 2026

SYBSc.CS SEMESTER - III - NEP

Date - 23/7/2026

Sr. No.	Name of the Course	Name of the Professor	Portion/ syllabus
1	Principles of Operating Systems	Ms. Sonia Pelagade	Fundamentals of Operating systems – Definition of Operating System, Operating System's role, Operating-System Operations, Functions of Operating System, Computing Environments Operating-System Services, User and Operating-System Interface, System Calls, Types of System Calls, Operating-System Structure. CPU Scheduling – Basic Concepts, Scheduling Criteria, Scheduling Algorithms (FCFS, SJF, SRTF, Priority, RR, Multilevel Queue Scheduling, Multilevel Feedback Queue Scheduling), Thread Scheduling
2	Theory of Computation	Mr. Sujal Shah	Mathematical foundations (Sets, Relations, Functions)
3	Data Structures	Ms. Prachi Sanghvi	Different Data Types, different types of data structures & their classifications, Introduction to ADT, Creating user-specific ADT Linked Structures: ADT for linked list, Advantages & Disadvantages, Singly Linked List.
4	Financial-Literacy	Dr. Sneha Hathi	Module 1: Essentials of Financial Literacy & Banking A. Introduction to financial literacy-Concept and Importance of Financial Literacy- Components of Financial Literacy: Income, Expenses, Savings, Investments, and Credit - Understanding Financial Decision-Making- Real-life Examples of Financial Success & Failures. B. Banking System & Digital Transactions- Functions of Banks & Types of Bank Accounts (Savings, Current, FD, RD)
5	Statistical Methods -I	Mr. Aditya Mahiyavanshi	Definitions: Trial, random experiment, sample point and sample space. Definition of an event and different types of events: compound event, complementary event, equally likely events, certain event, impossible event, mutually exclusive and exhaustive events. Different definitions of Probability: Classical (Mathematical), Empirical(Statistical) and Axiomatic definitions of Probability. Properties of probability Conditional probability. Independence of events, pairwise and mutual independence of three events. i. Addition theorem on probability for two and three events ii. Multiplication theorem on probability for two events.

Dr. Sneha Hathi
Co ordinator - BSc Computer Science

CA. Durgesh Kenkre
Exam Convener

Ms. Subhashini Naikar
(Vice-Principal, SFC)

Prof.(Dr). D.N.Ganjewar
Principal