



Prahladrai Dalmia Lions College of Commerce & Economics

ISO 21001:2018 Certified

BSc.CS (Computer Science)

Syllabus for Class Test, (CIA), AUGUST, 2025

F.Y.BSc.CS SEMESTER - I - NEP

Date - 22/7/2025

Sr. No.	Name of the Course	Name of the Professor	Portion/ syllabus
1	Digital Systems & Architecture	Ms. Sonia Pelagade	Fundamentals of Digital Logic: Boolean algebra, Logic Gates, Simplification of Logic Circuits: Algebraic Simplification, Karnaugh Maps. Combinational Circuits: Adders, Subtractors, Multiplexer, De-Multiplexer.
2	Fundamentals of Database Systems	Mr. Prathamesh Bhosle	Module 1 - Introduction to DBMS: Database, DBMS – Definition, Overview of DBMS, Advantages of DBMS, Levels of abstraction, Data independence, DBMS Architecture Data models: Client/Server Architecture, Object Based Logical Model, Record Based Logical Model (relational, hierarchical, network) Entity Relationship Model and ER to Table: Entities, attributes, entity sets, relations, relationship sets, Additional constraints (key constraints, participation constraints, weak entities, aggregation / generalization, Conceptual Design using ER (entities VS attributes, Entity Vs relationship, binary Vs ternary, constraints beyond ER) Entity to Table, Relationship to tables with and without key constraints. DDL Statements: Creating Databases, Using Databases, datatypes, Creating Tables (with integrity constraints – primary key, default, check, not null), Altering Tables, Renaming Tables, Dropping Tables, Truncating Tables DML statements: Viewing the structure of a table insert, update, delete, Select all columns, specific columns, unique records, conditional select, in clause, between clause, limit, aggregate functions (count, min, max, avg, sum), group by clause, having clause
3	Environmental Management & Sustainable Development -I	Ms. Ruhi Main	Chapter : 1 - Ecosystems, Biodiversity, and Conservation.
4	Enterprenership Management	Ms. Sneha Hathi	Unit 1 : Introduction to Entrepreneurship Introduction: Concept and importance of entrepreneurship, factors Contributing to Growth of Entrepreneurship, Entrepreneur and Manager, Entrepreneur and Intrapreneur, Types of Entrepreneurs, Competencies of an Entrepreneur, Entrepreneurship Training and Development centers in India. Incentives to Entrepreneurs in India. Options available to entrepreneurs- franchising
5	Indian Knowledge System	Ms. Mona Sheth	Chapter 1 - Introduction to IKS, Why IKS, Scope of IKS, Traditions of IKS, , Relevant sites in the Vicinity of Institutie
6	Indian Constitution	Dr. Malvika Khajuria	Module 1-Significance,Need, Importance, Sources ,Features,Basic structure and preamble of Indian Constitution

Ms. Sneha Hathi
In- Charge - BSc Computer Science

DI/N-STD/GEN/00

CA. Durgesh Kenkre
Exam Convener

Ms. Subhashini Naikar
(Vice-Principal, SFC)

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