



Prahladrai Dalmia Lions College of Commerce & Economics

(Government Aided & Affiliated to University of Mumbai & AICTE, New Delhi)

NAAC Re- accredited with 'A' Grade (III Cycle)

ISO 21001: 2018 Certified

University of Mumbai Recognized Research Centre in Accountancy,
Commerce & Business Economics

A Government Approved Hindu Linguistic Minority Institute

52 Years of Sterling Performance in Education

Date: 7th August, 2026

NOTICE

BSc. (COMPUTER SCIENCE)

FY / SY / TY BSC.CS (Semester I / III / V)

CIA Internal Project Assignment Submission September, 2026

Instructions for the students for internals projects submission:

1. Date & Time of Assignment Submission - **As per the time table given below.**
2. Students have to be present in person for the submission.
3. Internal project topics are also uploaded on the college website.
4. Submission of projects or assignments to be done on proper A4 size paper, handwritten by the candidate himself only.
5. The Front page should contain details of Roll no, Name of the student, Semester, Subject along with certificate provided by the class mentors.
6. If the student fails to present himself on the given date and time he will be marked **ABSENT** for the said subject.
7. Any Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.

Ms. Sneha Hathi
Co ordinator - BSc Computer
Science

Ms. Subhashini Naikar
(Vice-Principal, SFC)

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

DI/R-IPS/EXAM/00

Schedule of VIVA VOCE

FYBSc. CS

Sr. No	Date	Day	Time	Name of Course	Name of Faculty
1.	31/08/2026	Monday	11:30 to 1:30 pm 2.00 to 3.00 pm	1. Indian Constitution 2. Indian Knowledge System	Dr. Malvika Khajuria Ms. Mohini Nadkarni
2.	1/09/2026	Tuesday	9.20 to 11.20 am	1. Entrepreneurship Management	Dr. Sneha Hathi
3.	2/09/2026	Wednesday	11.30 to 1.30 pm	1. Environmental Management & Sustainable Development -I	Ms. Neeti Joshi
4.	3/09/2026	Thursday	11.30 to 1.30 pm	1. Digital Systems & Architecture	Ms. Prachi Sanghvi
5.	4/09/2026	Friday	12.30 to 1.30 pm	1. Communication Skills in English I	Ms. Farzin Dalal
6.	5/09/2026	Saturday	2.00 to 4.00 pm	1. Fundamentals of Database Systems	Ms. Niyati Kalyanpur

Schedule of VIVA VOCE

SYBSc. CS

Sr. No	Date	Day	Time	Name of Course	Name of Faculty
1.	31/08/2026	Monday	7:00 to 9:00 am 9.20 to 11.20 am	1. Statistical Methods -I 2. Financial-Literacy	Mr. Aditya M Dr. Sneha Hathi
3.	2/09/2026	Wednesday	9.20 to 11.20 am 11.30 to 1.30 pm	1. Hindi 2. Theory of Computation	Ms. Tejasvi Shiroya Mr. Sujal Shah
4.	3/09/2026	Thursday	9.20 to 10.20 am	1. Data Structures	Ms. Prachi Sanghvi
5.	4/09/2026	Friday	9.20 to 10.20 am	1. Principles of Operating Systems	Ms. Sonia Pelagade

Schedule of VIVA VOCE

TYBSc. CS

Sr. No	Date	Day	Time	Name of Course	Name of Faculty
1.	1/09/2026	Tuesday	9.20 to 10.20 am 10.20 to 11.20 am 11.30 to 12.30 pm	1. Software Testing & Quality Assurance 2. Artificial Intelligence 3. Cyber & Information Security	Ms. Prachi Sanghvi Ms. Sonia Pelagade Mr. Prathamesh Bhosle
2.	2/09/2026	Wednesday	8:00 to 9:00 am	1. IKS in Computational Systems	Mr. Sujal Shah



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(Vice-Principal, SFC)



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

Subject: Data Structures

SYBSc. CS - Semester III

ASSIGNMENT

Write any 8 answers of the following

- 1) What is Data Structure and explain its Classification.
- 2) Write the Algorithm to perform enqueue operation on circular Queue.
- 3) Write the Algorithm to perform dequeue Operation on circular Queue.
- 4) Algorithm to perform insertion operation after a particular element in singly link list.
- 5) Write the Algorithm to perform deletion of a particular element in a singly linked list.
- 6) Write an algorithm to perform dequeue operation a queue using Linked list representation
- 7) Write the algorithm to perform push operation on a stack using array and linked list representation.
- 8) Difference between Array & linked list
- 9) Advantages and Disadvantage of linked list
- 10) Difference between Stack & Queue.
- 11) Advantages & Disadvantages of Stack
- 12) Advantages & Disadvantages of Queue
- 13) Convert the following into prefix and postfix notation
- 14) Write an algorithm to perform enqueue operation a queue using Linked list representation
- 15) Write the algorithm to perform push operation on a stack using array and linked list representation.

Subject: **Principles of Operating Systems**

SYBSc. CS - Semester III

ASSIGNMENT 1

- Q1. Calculate WT, TAT, AWT and ATAT for the given processes using FCFS Scheduling algorithm.
- Q2. Calculate WT, TAT, AWT and ATAT for the given processes using SJF Scheduling algorithm.
- Q3. Calculate WT, TAT, AWT and ATAT for the given processes using SRTF Scheduling algorithm.
- Q4. Calculate WT, TAT, AWT and ATAT for the given processes using Priority Scheduling algorithm.
- Q5. Calculate WT, TAT, AWT and ATAT for the given processes using RR Scheduling algorithm.

ASSIGNMENT 2

1. Compare **contiguous memory allocation** methods (fixed vs variable partitions).
2. Compare different **disk scheduling algorithms** (FCFS, SSTF, SCAN).
3. Differentiate between **deadlock prevention** and **deadlock avoidance**.
4. Define a **deadlock**. What are the four necessary conditions for deadlock?
5. Explain paging in memory management.

Subject: Theory of Computation

SYBSc. CS - Semester III

ASSIGNMENT

Q1) Define sets. Give three examples.

Q2)

$$A = \{1,2,3,4,5\}$$

$$B = \{1,3,5\}$$

$$C = \{1,2,3,4\}$$

$$D = \{1,3,5\}$$

$$E = \{6,7,8,9,10\}$$

Answer the following (True or False):

- a) $B \subset A$
- b) $A = B \cup C$
- c) $A - B = \{2,4\}$
- d) $A \cup D = A$
- e) $A \cap D = D$

Q3)

$$A = \{1,2,3\}$$

a) Is $R_1 = \{(1,2),(2,3),(1,3)\}$ reflexive?

b) Is $R_2 = \{(1,1),(2,2),(2,3),(3,4)\}$ symmetric?

c) Is $R_3 = \{(1,1),(1,2),(4,3),(2,3)\}$ transitive?

Q4) Clearly explain the difference between Reflexive relation and Symmetric relation.

SYBSc. CS – Semester III

Subject – Financial Literacy

Assignment Activity: Field Survey Visit to a Financial Institution

Title of the Assignment

Field Survey and Study of a Financial Institution

Assignment Question

Visit any one Financial Institution (Bank, Insurance Company, Mutual Fund Office, Stock Broking Firm, NBFC, Microfinance Institution, Credit Cooperative Society, Post Office Banking Service, etc.) and conduct a survey to understand its functioning, products and services, customer service practices, and contribution to the financial system.

Guidelines for the Survey

- Select any recognized financial institution.
- Obtain prior permission from the institution, (wherever required).
- Prepare a questionnaire before visiting.
- Dress in formal attire and maintain professional behaviour.

Based on the Visit prepare a **comprehensive report** covering the following aspects:

Report Format

The report should include the following:

1. Cover Page
2. Certificate (if prescribed by the department)
3. Acknowledgement
4. Index
5. Introduction
6. Objectives of the Study
7. Research Methodology
8. Survey Questionnaire
9. Analysis and Findings
10. Observations
11. Learning Outcomes
12. Suggestions
13. Conclusion
14. Bibliography/References
15. Annexure (Photographs/Brochures)

Report Format:

The Field Project Report must be: ○ Typed on A4 size, Times New Roman, font size 12, 1.5 spacing. ○ Minimum 20 pages. ○ Spiral bound



Prahladrai Dalmia Lions College of Commerce and Economics

Sundar Nagar, Malad(west), Mumbai ,400064

ISO 2001:2018 Certified

NAAC Accredited (3rd Cycle) 'A Grade'

FIELD PROJECT

Date - _____

TO WHOMSOEVER IT MAY CONCERN

This is certified that the following students of **BSc. (Computer Science)**, 2nd Year / Semester III) from (Prahladrai Dalmia Lions College, affiliated to the University of Mumbai) are required to visit a company as a part of their **Field Visit Project** assigned under the University of Mumbai curriculum.

List of students:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Subject: Hindi Bhasha Vyavaharik Prayog

SYBSc. CS - Semester III

ASSIGNMENT

Marks- 20

1. मौखिक, लिखित और सांकेतिक भाषा में क्या भेद है ? तीनों का विस्तार पूर्वक वर्णन कीजिए।
2. भारतीय संविधान में अनुच्छेद 343 के
अंतर्गत हिंदी की क्या स्थिति है ? विस्तृत
उत्तर लिखिए ।