

MASTER OF COMPUTER

APPLICATION

(MCA) (REVISED)

Term-End Practical Examination

June, 2025

MCSL-045(P)(Set-II) : UNIX AND DBMS LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) There are two Sections in this paper.

*(ii) Each Section is of one hour duration
and carries 20 marks each.*

*(iii) 5 marks are for viva-voce for each
Section separately.*

*(iv) Attempt only that Section(s) in which
is not yet clear.*

Section—A

(UNIX)

1. Write and execute UNIX commands for the following : $5 \times 1 = 5$
 - (a) To display the first 10 lines of a file.
 - (b) To find the size of a file in bytes.
 - (c) To compress a file.
 - (d) To display the users who have logged in recently.
 - (e) To print your username and home directory path.
2. Write a shell script that reads a string from the user and checks whether it is a

Section—B

3. Write the following database scheme : 10

Library (BookID, Title, Author, Pubyear)

Member (MemberID, Name, JointDate)

Issue (IssueID, MemberID, Issue Date, ReturnDate)

[3]

- Use appropriate primary and foreign keys.
- Insert 5 records in each table.

4. Write SQL queries for the above database :

$5 \times 2 = 10$

- List the titles of books published after 2020.
- Show members who joined in 2022.
- Display books issued by a member named “Anita”.
- Show number of books issued by each member.
- Find overdue books (ReturnDate at is null or after 30 days of IssueDate).

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