

No. of Printed Pages : 3 **MCSL-045(P)(Set-II)**

**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*

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**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 : 5×1=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 palindrome. 15

**Section—B**  
**(DBMS)**

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 : 5×2=10
- (a) List the titles of books published after 2020.
  - (b) Show members who joined in 2022.
  - (c) Display books issued by a member named “Anita”.
  - (d) Show number of books issued by each member.
  - (e) Find overdue books (ReturnDate at is null or after 30 days of IssueDate).

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