

**MASTER OF COMPUTER
APPLICATIONS (MCA) (REVISED)
Term-End Practical Examination
June, 2025**

MCSL-045(P)(Set-III) : 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.*
(iii) *5 marks are for viva-voce of each Section separately.*
(iv) *Attempt only that Section(s) which is not yet clear.*

**Section—A
(UNIX)**

1. Write and execute UNIX commands for the following : $5 \times 1 = 5$
 - (a) To list all ‘.sh’ files in the current directory.

(b) To copy all files from one directory to another.

(c) To show the number of users currently logged in.

(d) To display the system uptime.

(e) To remove duplicate lines from a file.

2. Write a shell script to calculate the factorial of a number entered by the user. 15

Section—B

(DBMS)

3. Write the following database schema : 10

Customer (CustID, Name, Contact, City)

Product (ProdID, ProdName, Price)

Sales (SaleID, CustID, ProdID, Sale Date, Quantity)

- 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 all customers from 'Delhi'.

[3]

- (b) Display products sold more than 10 times.
- (c) Show total sales amount by each customer.
- (d) Display all sales made in March 2023.
- (e) List customers who bought 'Laptop'.

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