

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

**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

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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.*
(iii) *5 marks are for viva-voce of each Section separately.*
(iv) *Attempt only that Section(s) which is not yet clear.*
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Section—A

(UNIX)

1. Write and execute UNIX commands for the following : 5×1=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'.

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- (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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