

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

**MASTER OF COMPUTER
APPLICATIONS (MCA) (REVISED)
Term-End Practical Examination
December, 2024**

MCSL-045(Set-IV) : UNIX AND DBMS LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) *There are two Sections in this paper. All questions are compulsory.*

(ii) *Each Section carries 20 marks and is of duration 1 hour only.*

(iii) *5 marks are for viva-voice of each Section, separately.*

(iv) *Attempt only those Section(s) in which you are not successful as yet.*

Section—A

UNIX

Note : Answer the following questions. They carry 20 marks and viva-voce is for 5 marks.

1. Write and execute the following UNIX commands : 1×5=5
 - (a) Create a directory and 2 sub-directories.
Create 2 files in each of the two sub-directories.

- (b) To print the last two lines of a file.
 - (c) To remove a directory of your choice (created in Q1(a))
 - (d) To run a job in background.
 - (e) To encrypt a data file with a private key.
2. Write a shell program that reads the contents in a text file and removes all the blank spaces and redirects the output to a file namely XYZ.

15

Section—B (DBMS)

Note : Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

3. For the schema given below, perform the tasks (a), (b) and (c) :

Branch (Branch_name, City)

Account (Branch_name, Acc_No, Balance)

Depositor (Customer_name, Acc_No, Address,
City)

- (a) Create tables, select appropriate data types for each of the fields. Identify appropriate keys. Input meaningful data for at least 10 records.

5

[3]

- (b) Display the balance, branch_name and city
for the Acc_No = 220763528. $2\frac{1}{2}$
- (c) List all the customer_name, Acc_No, whose
accounts are in the city Chennai. $2\frac{1}{2}$
4. Write a trigger which fires before inserting and
deleting a record in the 'Depositor' table. 5
5. Write a procedure which takes Acc_No as input
and displays the customer_name, Address,
City, Branch_name and Balance. 5

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