

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

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

June, 2025

MCSL-045(P)(Set-IV) : 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 : 5×1=5
 - (a) To list hidden files in the current directory.
 - (b) To display the contents of a file with line numbers.
 - (c) To change the permissions of a file to make it executable by all.
 - (d) To display only the current data.
 - (e) To search for a word 'error' in a file named 'log.txt'.
2. Write a shell script that accepts a list of file names as argument and count the number of lines in each file. 15

Section—B

(DBMS)

3. Create the following database schema : 10
EMPLOYEE (EmpID, Name, Designation,
Salary, DeptID)

[3]

DEPARTMENT (DeptID, DeptName,
Location)

ATTENDANCE (EmpID, Date, Status)

- Define appropriate data types and keys.
 - Enter at least 5 records per table.
4. Write SQL queries for the above database :
- 5×2=10
- (a) List the names of employees who are from the 'HR' department.
 - (b) Display employees who were absent on '2023-01-15'.
 - (c) Find the total number of employees in each department.
 - (d) Show the highest salary in each department.
 - (e) Display details of employees with salary more than ₹ 50,000.

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