

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

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 :

$5 \times 2 = 10$

- List the names of employees who are from the 'HR' department.
- Display employees who were absent on '2023-01-15'.
- Find the total number of employees in each department.
- Show the highest salary in each department.
- Display details of employees with salary more than ₹ 50,000.

× × × × ×