

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

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

MCSL-045(Set-I) : 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. Create and execute the following UNIX commands : 1×5=5
 - (a) To count characters in a text file.
 - (b) To show who is logged onto a terminal.
 - (c) To list previously executed commands.
 - (d) To show one line summary of system status.
 - (e) To set file permissions of any file to r , w , x for all.
2. Write a shell program to combine any two text files into a single file (appending) in the order they appear in the arguments and display the word count of the single file. 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) :

EMPLOYEE (E_NO, E_Name, Skill, Pay)

[3]

POSITION (Posting_No, Skill)

DUTY_ALLOCATION (Posting_No, E_No, Day,
Shift)

Note : (Shift are 3 in number each of 8 hour :
S₁, S₂, S₃).

(a) Create tables, select appropriate data types for each of the fields. Identify appropriate keys. Input meaningful data for at least 10 records. 5

(b) Display the position_no, shift and day of the employee if 'E_No' is given as input.

2½

(c) List all E_No whose pay is greater than 1 lakh. 2½

4. Write a procedure which takes E_No as input and displays posting_no and skill of the employee. 5

5. Write a trigger which fires before inserting and deleting a record in Employee table. 5

x x x x x x x