

No. of Printed Pages : 3 **MCSL-025(Set-III)**

**MASTER OF COMPUTER
APPLICATIONS (MCA)
(REVISED)**

Term-End Practical Examination

June, 2025

MCSL-025(Set-III) : LABORATORY COURSE

Time : 3 Hours

Maximum Marks : 100

Note : *There are four Sections in this paper.*

Each Section is of 45 minutes duration.

Attempt only those sections in which you are not yet successful. Answer all the questions in each Section. Each question carries 20 marks and the viva-voce for each Section of 5 marks separately.

Section—A**(Data and File Structures)**

1. Write a program in 'C' language that accepts a string as input and counts the number of vowels in it. 20

Section—B**(Networking)**

2. Display all names starting with 'P' using commands in Linux/Unix environments. 20

Section—C**(DBMS Lab)**

3. (a) Create the following table with appropriate data types for all the fields. The key fields is underlined. Insert 10 meaningful records into the table. Make necessary assumptions : 10
TRAIN (Number, Name, Last_Station)
- (b) Create the following query using SQL on the above table : 10
List the names and numbers of all trains whose last station in 'Chennai'.

Section—D

(Java Programming)

4. Write a program in Java to compute the sum of digits of a given integer. The integer should not be less than 5 digits. 20

x x x x x