

No. of Printed Pages : 2 **MCSL-025(Set-III)**

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

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 whom you are not yet successful. Answer all the questions in each Section. Each Section carries 20 marks and the viva-voce for each Section is of 5 marks separately.*

Section—A

(Data and File Structures)

1. Write a program in 'C' language for the multiplication of two matrices. 20

Section—B

(Networking)

2. Write a shell script in Linux/Unix that accepts a text file as input and counts the number of sentences in whom colon is present. Make necessary assumptions. 20

Section—C
(DBMS Lab)

3. (a) Create the following table with appropriate data types for all the fields. The key field is underlined. Insert 5 meaningful records into the table. Make necessary assumptions : 10

TRAIN (Number, Name, Starting_Station, Ending_Station)

- (b) Create the following query using SQL on the above table : 10

List the numbers and names of all trains whose starting station is New Delhi and Ending Station is Chennai. Make necessary assumptions.

Section—D
(Java Programming)

4. Write a program using Java to create an Applet that accepts the names of 5 employees along with their salaries and prints the name of the employee who is receiving highest salary. Make necessary assumptions. 20

x x x x x x x