

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

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

MCSL-025(Set-II) : 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 to reverse elements of a queue. 20

Section—B

(Networking)

2. Write a shell script in Linux/Unix that accepts a text file as input and prints the number of upper case characters in it. 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

STATE (Capital, Name, Population, Area)

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

List the names of all states whose population is more than 3 crores. Make necessary assumptions.

Section—D

(Java Programming)

4. Write a program using Java to create an Applet that accepts 5 names as input and prints them in lexicographic order. Make necessary assumptions. 20

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