

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

00069

**Term-End Practical Examination**

**December, 2015**

**MCSL-025(P)/S1 : LABORATORY COURSE (FOR DATA AND FILE STRUCTURES,  
NETWORKING, DBMS LAB & JAVA PROGRAMMING)**

*Time : 3 Hours*

*Maximum Marks : 100*

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**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 section carries 20 marks and the viva-voce for each section is of 5 marks separately.*

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**SECTION A**

**Data and File Structures**

1. Write a program in 'C' language to implement a Deque. 20

**SECTION B**

**Networking**

2. Write a shell script in LINUX / UNIX that accepts a text file as input and prints each sentence in the text file in reverse order to the standard output. 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 10 meaningful records into the table. 10
- LIBRARY (Book\_Title, Author, Price, Pages)
- (b) Answer the following query using SQL on the above table : 10
- List the titles of all books whose price is ₹ 1,000 only.

## SECTION D

### Java Programming

4. Write a program using JAVA to create an Applet that takes the area of a circle as input and draws the circle in Blue colour. 20
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