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MCSL-025/S1

**Master of Computer Application  
(Revised) (MCA)  
Term-End Examination  
December, 2018  
LABORATORY COURSE**

*Time : 3 Hours*

*Maximum Marks : 100*

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- Note :** (i) There are four Sections in this paper.
- (ii) Each Section is of 45 minutes duration.
- (iii) Attempt only those Section(s) in which you are not yet successful.
- (iv) Answer *all* the questions in each Section.
- (v) 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 stack. 20

**Section—B****(Networking)**

2. Write a shell script in Linux/Unix that accepts a text file as input and prints those sentences which have more than 6 words to 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. Make necessary assumptions. 10

**Library (Book\_Title, Cost, ISBN\_Number)**

- (b) Create the following query using SQL on the above table : 10  
List the names of all Books whose cost is between ₹ 1,000 and ₹ 2,000.

**Section—D****(Java Programming)**

4. Write a program using Java to create an Applet that accepts a string as input and checks the string if it is a palindrome or not. 20

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(A-8)