Master of Computer Application (Revised) (MCA)

Term-End Examination

December, 2018

LABORATORY COURSE

Time : 3 Hours   *Maximum Marks : 100*

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.

Section—A

(Data and File Structures)

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

Section—B

(Networking)

2. Write a shell script in Linux/Unix that accepts a text file as input and prints the frequency of each word 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

SPORTS

(Captain, Sport_Name, Team_Size)

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

   List the name of at least one sport whose team size is 11.

Section—D

(Java Programming)

4. Write a program using Java to create an Applet that takes the sides of a triangle and draws the triangle in Blue Color.   20