Master of Computer Application (Revised) (MCA)

Term-End Examination

December, 2018

UNIX AND DBMS LAB

Time : 2 Hours   *Maximum Marks : 50*

Note : (i) There are two Sections in this paper.

(ii) All the questions of the two Sections are compulsory.

(iii) Each Section is of one hour duration and carries 20 marks.

(iv) 5 marks are for viva-voce for each Section separately.

(v) Attempt only those Section(s) in which you are not successful as yet.

Section—A

(UNIX)

Note :   Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

1. Create and execute the following UNIX commands :   1 each

   (a) To list previously executed commands.

   (b) To show one line summary of system status.

   (c) To show who is logged onto this terminal.

   (d) To set file permission of any file to r, w, x for all.

   (e) To count characters in a file (text).

2. Write a shell program to combine any *two* text files into a single file (appending) in the order they appear in the arguments and display the word count.   15

Section—B

(DBMS)

Note :   Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

3. For the schema given below, perform the tasks (a), (b) and (c) :

   Branch (Branch_name, city)

   Account (Branch_name, Acc_No, Balance)

   Depositor (Customer_Name, Acc_No, Add1, Add2, City)

   (a) Create tables. Select appropriate data types for each of the fields. Identify appropriate keys. Input meaningful data for at least 10 records.   5

(b) Display the balance, branch_name and city for the Acc_No. = 7943486591. $2\frac{1}{2}$

(c) List all the Customer_Name, Acc_No whose accounts are in the city Bengaluru. $2\frac{1}{2}$

4. Write a procedure which takes Acc_No as input and displays the Customer_Name, Add1, Add2, City, Branch_Name and Balance.   5

5. Write a trigger which fires before inserting and deleting a record in the "Depositor" table.   5