MCA (Revised)

Term-End Practical Examination

01541

December, 2013

MCSL-045 : UNIX AND DBMS LAB

Time allowed : 2 hours   *Maximum Marks : 50*

Note :   *There are **two** sections in this paper. Each Section is of **1 hour** duration and carry **20** marks. Each section has 5 marks for **viva - voce** separately. Attempt only that section in which you are not yet successful.*

SECTION - A : UNIX LAB

1.   Write and execute the UNIX commonds for performing the followings :   5

    (a)   To print last ten lines of a text file.

    (b)   To check the spellings of the words in a file.

    (c)   To change ownership of a file.

    (d)   To run a Job in background.

    (e)   To connect to a remote machine.

2.   Write a shell script to find the largest and smallest number from a list of ten numbers.   7

3.   Write a shell script to print the following pattern :   8

          *

         * * *

        * * * * *

       * * * * * * *

      * * * * * * * *

SECTION - B : DBMS LAB

Note : Answer the following questions.

1. Create a relational data base with the following relations and insert at least eight records   **8**
   in each table of the relation :

   STUDENT (Roll_No, Name, Programme_Code, Semester, Age)

   COURSE (Programme_Code, Course_Code, Title, Credit, Course_Type)

   TEACHER (Emp_ID, Department, Name, Course_Code, Year_of_Exp.)

2. Consider the relation of Q. 1 above and execute the following queries :   **3x2=6**

   (a) List name of all the teachers of Mathematics department, who teach course(s) in
       MCA programme.

   (b) List name of all the students who are more than 20 years and opted for MIM 201
       course of MBA programme.

3. Write a trigger that fires before any row is inserted/deleted from STUDENT Table in   **6**
   Q. 1, above.