MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

00203

June, 2015

MCSL-045(P)/S4 : UNIX AND DBMS LAB

Time : 2 Hours *Maximum Marks : 50*

Note : (i) *There are two sections in this paper. All the questions are **compulsory**.*

(ii) *Each section is of one hour duration and carries 20 marks.*

(iii) *5 marks are for viva-voce of each section separately.*

(iv) *Attempt only that section(s) which is not yet clear.*

SECTION A

UNIX

1. Write and execute the following UNIX commands : *5×1=5*

   (a) To display the contents of a text file on the monitor, page-wise.

   (b) To change the password.

   (c) To sort the files by their modification time.

   (d) To kill a background process.

   (e) To display the status of all processes.

2. Write a shell program to read a text file, delete all the spaces and save the file in the same sub-directory with the name "modified". *15*

SECTION B
DBMS

3. Create a "STUDENT" table with the following fields :   *10*

   (STUDENT_NAME, ENROL_NO, YEAR_OF_REGISTRATION, SESSION (JULY/JANUARY), PROGRAMME_NAME, PROGRAMME_CODE, RC_CODE, SC_CODE, CITY, STATE)

   Identify the key constraints. Insert 10 meaningful records.

4. For the above table prepared in Q3, answer the following queries using SQL commands :   *5*

   (a) To display the list of all students and their details who have registered for the BCA programme for Jan 2014 session for RC_Code = 29.

   (b) List all the students who have registered for the programme MCA for Delhi_01 and Delhi_02 regional centres.

5. Write a trigger before a row is inserted or deleted in the table created in Q3.   *5*