MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00233 Term-End Practical Examination

December, 2017

MCSL-045(P)/S3 : UNIX AND DBMS LAB

Time : 2 Hours *Maximum Marks : 50*

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

(ii)   *All the questions are* **compulsory**.

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

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

(v)   *Attempt only that section(s) in which you are* **not successful as yet**.

SECTION A
UNIX

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

(a)   To change the date and time.

(b)   To print the current months calendar.

(c)   To list the files in a long-listing way.

(d)   To kill a background process.

(e)   To display the status of all the running processes.

2.   Write a shell program to swap the values of the variables "a" and "b".   *15*

SECTION B

DBMS

3. Create a table with the name SOCIS with the following fields :

   Prog_code, Prog_title, No_of_credits, No_of_students_enrolled, Year_of_start,

   No_of_activation_centres, No_of_semesters, Prog_coordinator.

   Select appropriate data types for the fields. Select appropriate keys for the fields. Insert 10 meaningful records.

   Also write the following queries using SQL :

   (a) Modify the table by inserting another field called as Practicals [Y/N].

   (b) From the table, display the Prog_code whose enrolments are high.   *10*

4. Write a trigger that will be fired whenever an insertion or update occurs on the table designed in Q(3).   *5*

5. Write a procedure that takes the Year_of_start as input and displays all the prog-details.   *5*

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