00473 **MASTER OF COMPUTER APPLICATIONS (Revised)**

(MCA)

Term-End Practical Examination

December, 2016

MCSL-045(P)/S1 : 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 UNIX commands :   5×1=5

(a)   To change to a new directory from the current directory.

(b)   To summarize the free space on disk device.

(c)   To remove the files with file name starting with b or B in the current directory.

(d)   To compare two files and show the differences.

(e)   To show the date and time.

2.   Write a shell program, using "grep" to find the number of occurrences of a string "and" in a text file and display its count.   *15*

SECTION B

DBMS

3. Create a table "SEMINAR" with the following fields :

(SEM_NO, SEM_TITLE, DEPT_ORGANISED, YEAR, CO_ORDINATOR, CO_COORDINATOR, NO_OF_DAYS, VENUE, START_DATE, END_DATE, NO_OF_PARTICIPANTS, NO_OF_RESOURCE_PERSONS, SPONSORED/NON_SPONSORED)

Select appropriate data types for all the fields. Identify the primary key. Input 10 meaningful records.   *10*

4. For the above table in Q. 3, answer the following queries using SQL :   *5×2=10*

   (a) To display all the seminars co-ordinated by "RAHUL" and co-coordinated by "ACHUTH".

   (b) To display the details of all the seminars conducted in the year 2015.

   (c) To display all the records whose venue is "AUDITORIUM_1" and are all sponsored seminars.

   (d) To display all the seminars in which the No_of_participants is more than 100.

   (e) To display all the seminar_nos whose title starts with "D".