MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

00970

June, 2017

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 show the date and time.

(b) To show the system status and CPU-bound processes.

(c) To find out information about the user@system.

(d) To show last few lines of a text file.

(e) To display binary file as equivalent oct/hex codes.

2. Write a shell program to accept a directory name as an argument and delete all those files starting their file name with "c" or "C". *15*

SECTION B

DBMS

3. Create a database with the following schema :

INSURANCE DATABASE

DRIVER (DRIVER_ID, NAME, ADDR1, ADDR2, CITY, STATE)

CAR (REG_NO, MODEL, MAKE, YEAR)

ACCIDENT (FIR_NO, ACCD_DATE, LOCATION)

OWNS (DRIVER_ID, REG_NO)

PARTICIPATED (DRIVER_ID, REG_NO, FIR_NO, YEAR, DAMAGE_AMOUNT)

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

4. For the above tables in Q3, answer the following queries using SQL : *5×2=10*

(a) To update the damage amount for the car with specific reg_no in the accident with FIR_NO 123 to ₹ 25,000.

(b) To add a new accident to the database.

(c) To find the total number of people (drivers) who owned cars that were involved in accidents in the year 2016.

(d) To list all the driver details who own cars of MAKE = "TOYOTA".

(e) To display all the accidents that happened in any particular location "XYZ".