

MCA (Revised)

Term-End Practical Examination

02878

June, 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 have 5 marks for *viva - voce* separately.*

SECTION - A : UNIX LAB

1. Write and execute the UNIX Commands to perform the followings : 5
 - (a) To create a directory
 - (b) To display the date and time
 - (c) To stop a process of given PID
 - (d) To run program with higher priority
 - (e) To connect to a remote machine

2. Write a shell script to find the average of ten given numbers. 7

3. Write a shell script to count the number of special symbols (#, &, % and @) in a given file. 8

SECTION - B : DBMS

Note : Answer the following questions :

1. Create a relational database with the following relations and insert at least 8 records in each table of the relation : **10**

STUDENT (S_id, Name, Programme, Semester, C_Code)

COURSE (C_Code, Title, Programme, Credit)

TEACHER (T_id, C_Code, Name, Years_of_Experience)

The key fields are underlined. Select appropriate data types for the fields. List the name and id of all the teachers who teach course id = MCSL-045.

2. Write a trigger that fires before any row is inserted or deleted from STUDENT and TEACHER tables. **5**
3. Write a procedure/function that take course code as input and display its title and name of the teachers who teaches it. **5**
