

**MCA (Revised)**

**Term-End Practical Examination**

**June, 2010**

01634

**MCSL-045 : UNIX AND DBMS LAB**

*Time allowed : 2 hours*

*Maximum Marks : 50*

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**Note :** *There are two parts (UNIX and DBMS) in this paper. Each part is of 1 hour duration. Attempt only that part(s) in which you are not successful yet.*

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**PART - I**

**UNIX**

**Note :** *Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks :*

1. Write and execute the UNIX commands for the following : 5
  - (a) To append the redirected output to a storage file.
  - (b) To translate all the upper case letters of a text file to lower case.
  - (c) To copy file from one directory to other directory.
  - (d) To display year of 2009.
  - (e) To create a file 'student' and give read and write permission to it.
  
2. Write a shell script to count all the vowels in a text file, mytext.txt, which to be created by you. 6
  
3. Write a shell script to sort a list of 20 numbers stored in a file (created by you), in descending order. 9

**PART - II**  
**DBMS**

**Note :** Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks :

Questions asked in this part are based on the following relations :

STUDENT(S\_id, Programme, D\_id, Year)

TEACHER(D\_id, S\_id, Course\_id, T\_id)

GRADE (S\_id, Course\_id, Grade, Year)

Where S\_id represent student roll number and D\_id represents Department ID and T\_id represent Teacher ID :

1. Insert 10 meaningful records in these tables. 4
  
  2. List all the teachers ID in a particular department. 3
  
  3. Find grades given by a teachers to all the students in a specific course. 8
  
  4. List all the students who have registered in year 2007 and later. 5
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