

**MCA (Revised)**  
**Term-End Practical Examination**  
**December, 2011**  
**MCSL-045 : UNIX AND DBMS LAB**

00734

*Time allowed : 2 hours*

*Maximum Marks : 50*

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**Note :** *There are two sections in this paper. Each section is of 1 hour duration and carry 20 marks. 5 marks is for viva-voce of each section separately. Attempt only that section (s) which is not yet clear.*

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**SECTION - A : UNIX**

1. Write the UNIX commands and execute them for performing the following : 5
  - (a) To connect to a remote machine.
  - (b) To change the ownership of a file.
  - (c) To kill a process with its given ID.
  - (d) To make poster of "WEL COME."
  - (e) To display the number of lines in a file named mytext.txt.
  
2. Write a shell script to display current *date, time, user name* and current directory. 5
  
3. Write a shell script to find the sum of first 10 elements of the series : 10  
1, 4, 9, 16, 25 , .....

## SECTION - B : DBMS

**Note :** Answer the following questions :

1. Create an relational database with the following relations and insert *ten* meaningful data/records in each table of the relation. 6  
Department ( D\_ID, Name, T\_ID, S\_ID)  
Teacher (T\_ID, Name, Subject, S\_ID)  
Student (S\_ID, D\_ID, T\_ID, Name, Semester)
  
  2. Perform the following queries using the relation created in Q.1, through SQL statements .
    - (i) List name of all the students who are registered in Department ID = 101 and whose Teach ID is 505. 4
    - (ii) List name of all the teachers whose subject is "Computer" and associated with department ID = 202. 5
    - (iii) List name of all the students whose Department ID is 205 but they are taught by Teacher ID = 507. 5
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