

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

00223

**Term-End Practical Examination**  
**December, 2016**

**MCSL-045(P)/S3 : UNIX AND DBMS LAB**

*Time : 2 Hours*

*Maximum Marks : 50*

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- 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**.*
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**SECTION A**

**UNIX**

1. Write and execute the following commands in UNIX : *5×1=5*
  - (a) To count the number of files in the current directory.
  - (b) To kill a process with its PID.
  - (c) To split a file with each file containing 5 lines.
  - (d) To translate characters from upper case to lower case of any text file.
  - (e) To send a file to a print queue of a line printer.
  
2. Write a shell program to combine any 2 files into a single file and display the resultant file's word-count. *15*

## SECTION B

### DBMS

3. Create a table with the following fields :

SYS\_COMPLAINTS (Complt\_No, Complt\_Desc, Hardware / Software,  
Complt\_Date, Dept, Room\_No, Engineer\_ID\_Alloted)

Select appropriate data types for all the fields. Complt\_No should be auto-generated and sequential. Enter 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 complaints received on today's date.
  - (b) To display only the hardware related complaints and their description.
  - (c) To display all the details of the complaints allotted to Engineer\_ID\_Alloted = "001".
  - (d) To display all the complaints from the Dept = "CSE".
  - (e) To display all the Complt\_No and Complt\_Desc for all the software related complaints lodged yesterday.
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