

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

Term-End Examination

01756

June, 2016

MCSL-045 - Set - 3 : UNIX AND DBMS LAB

Time : 2 hours

Maximum Marks : 50

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- Note :** (i) *There are 2 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 : 5x1=5
- (a) To summarize free space on disk device.
 - (b) To show disk space used by files and directories.
 - (c) To count the no. of words in a given file.
 - (d) To find a desired file that matches with the given criteria.
 - (e) To display the long listing of files in a given directory.
2. Write a shell script to combine any 3 given text files into a single file (append them in the order they appears in the arguments). 15

SECTION - B
DBMS

3. Create a COMPLAINTS table with the following fields : **10**
(COMPLAINT_ID, TYPE_OF_COMPLAINT (H/W RELATED OR S/W RELATED),
DATE_OF_COMPLAINT, SUPERVISOR_NAME, ALLOCATED_TO_ENGR,
ROOM_NO, BLOCK_NO, DEPARTMENT)
Select a primary key. Select appropriate data types for all the fields. Insert at least
10 meaningful records.
4. For the above table given in Q3, answer the following queries using SQL :
- (a) To display all the COMPLAINT_ID's generated on a particular day. **5x2=10**
 - (b) To print the department names for all the H/W RELATED COMPLAINTS on
any particular day given.
 - (c) To print the list of engineers handling all the S/W RELATED COMPLAINTS on
27-04-2016.
 - (d) To print the SUPERVISOR's NAME for the COMPLAINT_ID "1122".
 - (e) To print the COMPLAINTS handled by any particular engineer on a given day.
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