

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

June, 2018

MCSL-045(P)/S2 : UNIX AND DBMS LAB

Time : 2 Hours

Maximum Marks : 50

- 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**.*

SECTION A

UNIX

1. Write and execute the UNIX commands for the following : 5×1=5
 - (a) To split a file containing 50 lines into 2 files of 25 lines each.
 - (b) To display date and time.
 - (c) To convert all the lower case letters to upper case in a file.
 - (d) To display the contents of a file on the monitor.
 - (e) To compare two different files and report if they are different.
2. Write a shell script to echo the string length of the given string as argument. 7
3. Write a shell script that displays the last modification time of any file. 8

SECTION B

DBMS

4. Create a relational database with the following relations and insert 10 records in each table of the relation :
- BOOK (ISBN, TITLE, PUBLISHER_NAME, AUTHOR_NAME, PRICE,
YEAR_OF_PUB)
- AUTHOR (AUTHOR_ID, AUTHOR_NAME, ISBN, ADDRESS)
- Identify the key constraints. Select appropriate data types for the fields. List the author's name and publisher's name for the book with ISBN = "728-9642-111". 10
5. Write a procedure which takes Author_ID as input and displays the title of all the books written by him/her. 5
6. Write a trigger which fires before inserting or deleting a record in the Book table. 5
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