

MCA (Revised)
Term-End Practical Examination
December, 2010
MCSL-045(P) : UNIX AND DBMS LAB

02153

Time allowed : 2 hours

Maximum Marks : 50

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

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
 - (i) To find the files that match specified criteria.
 - (ii) Change Password.
 - (iii) To print last ten lines of a text file .
 - (iv) To display year 2011.
 - (v) To append the redirected output to a storage file.

2. Write a shell script to reverse a given string as input. 5

3. Write a shell script to encrypt the content of a file using logic . 10
 - (i) Replace a character by just next character in the cycle for example
A by B (or a by b), B by C (or b by c), Y by Z (or y by z), Z by A (or z by a).
 - (ii) Leave numbers and any other symbols unchanged .

PART - II
DBMS

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

1. Create a relational. Database with the following relations and insert ten meaningful row (data) in each table. 6
- STUDENT (Roll. No, Name)
PROGRAM (roll No, Course No, Batch, section)
TEACHER (Name, Course No, Batch, Section)
ADVISE (Section , Course No, Roll Number)
GRADE (Course No, Roll No, Grade, Year)
2. Consider the above relations and excute the following queries :
- (i) List Roll-No of all the students who have scored grade 'A' in course-No 5 and taken advice for that course . 6
- (ii) List all the students who are in a section. 3
- (iii) List all the students of a section who scored grade B. 5
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