

(Please write your Exam. Roll No.)

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END TERM EXAMINATION

FOURTH SEMESTER [MCA], MAY-2011

Paper Code : MCA – 204

Subject : Linux and X-Windows Programming

Paper ID : 44204

Time: 3 Hours

Maximum Marks : 60

Note : Question 1 is compulsory. Attempt one question from each unit.

- Q. 1.** (a) Explain the architecture of Linux. **(5×4)**
- (b) What are the different types of users in Linux? Explain each.
- (c) Differentiate TCSH and Korn shell.
- (d) Explain X-lib.

UNIT – I

- Q. 2.** (a) Describe the Level of Security in Linux. **(5)**
- (b) What makes Linux different from other explain? Describe. **(5)**
- Q. 3.** (a) How Linux and Unix is related? Explain. **(5)**
- (b) Explain the booting process of Linux. **(5)**

UNIT – II

- Q. 4.** (a) What is mounting? Explain. **(5)**
- (b) Differentiate “ext2” and “ext3” file system. **(5)**
- Q. 5.** (a) What is absolute and relative path? Explain with example. **(5)**
- (b) What are the different types of file permission? Explain. **(5)**

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UNIT – III

- Q. 6.** (a) Explain five shell commands. (5)
(b) How 'grep' is different from 'sed' script? (5)
- Q. 7.** (a) Write a shell script to display 100 even numbers. (5)
(b) Write a shell script to check whether a number is prime or not. (5)

UNIT – IV

- Q. 8.** What is X-Clients and X-Server? Explain in detail. (10)
- Q. 9.** How event is managed in X-Windows? Explain in detail. (10)