END TERM EXAMINATION

FOURTH SEMESTER [MCA] MAY-2008

PAPER CODE: MCA-208	Subject: Linux and X-Windows Programming
Paper Id: 44204	(Batch: 2004-2006)

Time: 3 Hours **Maximum Marks:60**

Note: Q.1 is compulsory. Attempt one question from each Unit.

Q1. (a) What are the features of Linux Operating System**?** **(4x5)**
  (b) Explain the booting Process in Linux.
  (c) Discuss the different types of files on Linux?.
  (d) Why are Shell Programs called scripts and how do we execute a shell script?
  (e) Explain window management in X-windows System.

UNIT-I

Q2. Explain different functions of Linux architecture. Also explain its architecture.   (10**)**

Q3. What are the system processes in Linux? How do you prepare Linux for networking**?** (10)
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UNIT-II

Q4. Explain different types of files in Linux.How do we assign file permission and
    Explain I-node numbers with respect to files.   **(**10)
Q5. Discuss mounting and unmounting file systems?   (10**)**

UNIT-III

Q6. Explain different types of shells in Linux. Write a shell script to generate Fibonacci series?
                                            (10)

Q7. Explain commands for: (10)
    (a) Sorting a file
    (b) Counting words in a file
    (c) Creating a directory
    (d) Changing mode of a file
    (e) Changing Priority of a file

UNIT-IV

Q8. Draw the X-window architecture. Also explain X-Lib Programming model.   (10)

Q9. How do we draw graphics in X-windows? Also Explain text handling?   (10)

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