(Please write your Exam Roll No.)   Exam Roll No. ....

END-TERM EXAMINATION

FIFTH SEMESTER [B.TECH.]– DECEMBER-2007

Paper Code:ETCS-307	Subject: Linux & X-Windows Programming
Paper ID : 27307	(Batch:2004-2005)

Time : 3 Hours ·   Maximum Marks : 75

Note: Attempt five in all including Q.No.1 which is compulsory and attempt one question from each unit.

Q.1   Explain briefly: -   (2.5x10=25)

(a)   List '5' options available for "who" command.
(b)   List '6' features of Linux operating system.
(c)   Differentiate between LINUX 0.5 and WINDOWS 0.5.
(d)   What do you understand by BOOT LOADER?
(e)   What is the main difference between X Windows client-server model and a traditional client-server model?
(f)   What is the significance of following marks?
           (i)   (ii) . .   (iii)   ~   (iv) /
(g)   How can a normal user become a root user without restart/shut-down the system?
(h)   Which package/application package of LINUX resembles with Microsoft's office package?
(i)   How will file system be repaired?
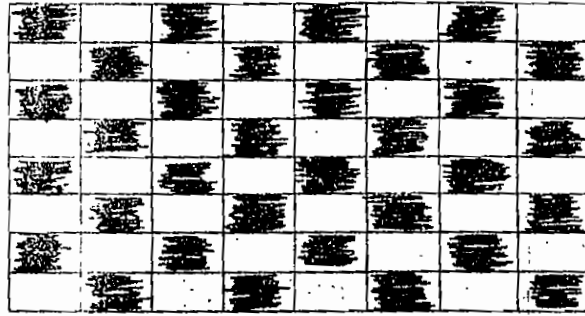(j)   Discuss the differences between Bash and C shell.

UNIT-I

Q.2   Discuss the boot up and shut-down process for Linux operating system? Also differentiate the boot up process between WINDOWS and Linux operating system.   (12.5)

Q.3   (a)   What do you understand by start up scripts? How they are related with run levels?   (7.5)
       (b)   Why a Linux operating system is known for more secured as compared to the other operating systems.   (5)

UNIT-II

Q.4   (a)   How can disk usage be restricted to some extent to a particular user? Discus with the syntax used for this facility.   (7)
       (b)   Discuss "5" command. Which are used by "root" only?   (5.5)

Q.5   (a)   List and explain '10' Different Directories used in Linux operating system. Also explain the utility of these directories.   (6)
       (b)   Discuss the following commands   (6.5)
           (i)   chomod
           (ii)   chown
           (iii)   chgrp
           (iv)   add user
           (v)   user add

UNIT-III

Q.6 Write a shell script to draw a (8x8) chess board with alternative Red and Blue color. (12.5)

Q.7 Write a shell script to find a prime number for any input number. (12.5)

UNIT-IV

Q.8 Discuss about __any two__ in detail: - (12.5)

(a) Graphics support in X Windows system

(b) Keyboard and mouse events in X Windows system

(c) X-Lib programming model

(d) Code for creating a window having close and maximize button.

****