

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	5	7	9
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Exam. Code :

0	0	0	6
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B.A./B.Sc. (General) 6th Semester

(2053)

INFORMATION TECHNOLOGY (Elective)

Paper-B : Linux Administration

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **five** questions in all by selecting **one** question from each Unit. Entire Question No. **IX** is compulsory.

UNIT—I

I. (a) Describe the working of simple Batch Systems and Multi-programmed Batch Systems.

(b) Describe working of the Real Time Systems with diagram.
7,6

II. Explain the following in Linux :

(a) Passwords

(b) Shutdown

(c) Linux History.

13

UNIT—II

III. (a) How are Processes managed in Linux ? Describe various commands.

(b) What is Regular Expression ? How is it used with grep command ? Give examples.
7,6

- IV. (a) Describe the file system of Linux. Also describe various types of files used in Linux.
(b) Describe the use of environment variables in Linux. 7,6

UNIT—III

- V. (a) What is tcsh shell ? How is it customized ?
(b) What is Shell Script ? How are positional parameters used in a Shell Script ? Give example. 7,6
- VI. (a) Describe the iteration statements used in tcsh. Give examples.
(b) Describe various modes of vi Editor. How is text searched and replaced in it ? 7,6

UNIT—IV

- VII. What is the use of system administration in Linux ? Explain any three commands of system administration, their syntax and usage with examples. 13
- VIII. Write short note on TCP/IP, WWW, FTP and DNS. 13

(Compulsory Question)

- IX. Write short answers :
- (i) What is LILO ?
 - (ii) Differentiate between home directory and root directory.
 - (iii) Explain the use of back quotes in Linux.
 - (iv) What is Kernel ?
 - (v) Explain the use of case statement.
 - (vi) What is the use of ping command ?
 - (vii) Write command to rename abc.txt to xyz.txt. 6×2+1