

2071

B.A./B.Sc. (General) Sixth Semester
Information Technology (Elective)
Paper - B: Linux Administration

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. a) Compare and contrast Multi-programmed Batched systems and Time sharing Operating Systems.
b) Describe main characteristics of Linux. Also write steps to install Linux. (6,7)
- II. a) Describe the minimum system requirements of Linux.
b) Describe the fdisk command of Linux.
c) Write briefly about Linux shutdown Commands. (4,4,5)

UNIT - II

- III. a) Describe the use of wildcards in Linux.
b) What is Input and Output redirection?
c) Explain the commands used to check Process Status. (4,4,5)
- IV. a) Describe common types of files available in Linux.
b) Explain the use of cd and mkdir command.
c) What is Bash shell? Explain briefly. (4,4,5)

UNIT - III

- V. a) What is tcsh? How is it better than other shells? How do you customize tcsh?
b) Describe looping control statements available in tcsh. (7,6)
- VI. a) What do you understand by positional parameters? How does shift command work with positional parameters?
b) What are text editors? Describe various modes of vi editor and its main features. (7, 6)

P.T.O.

(2)

UNIT - IV

- VII. a) How are backups managed in Linux? Give syntax of commands and examples.
b) What do you mean by compressing of files? How are they compressed in Linux?
(7,6)
- VIII. a) Explain the mounting and un-mounting of file systems. Give syntax and examples.
b) Explain the use of netstat, ping, NFS and NIS in Linux.
(7,6)

UNIT - V

- IX. Write short answers of the following:-
- a) Explain the use of su command. (2)
 - b) What do you mean by PID and PPID? (2)
 - c) If 'mkdir sample' command fails to execute, what could be the possible reason? (2)
 - d) What are the default permissions for files and directories in Linux? (2)
 - e) Which command is used to check Linux file system? (2)
 - f) Differentiate between shell and kernel. (2)
 - g) How are hidden files listed in Linux? (1)

x-x-x