

Code: 13A05608

B.Tech III Year II Semester (R13) Regular & Supplementary Examinations May/June 2017

LINUX ADMINISTRATION & PROGRAMMING

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) Name the two categories of regular files. Does UNIX recognize the difference between these two categories? Explain your answer
- (b) Distinguish between time - sharing and client/server environment.
- (c) Give brief description about the features of korn shell.
- (d) Discuss the responsibility of shell.
- (e) List the steps to mount file system on Linux.
- (f) What is nis server?
- (g) Give brief description of low level file system.
- (h) List and explain the steps to follow for creating new user account in Linux O.S.
- (i) Draw and explain typical running mail server model.
- (j) List out the basic requirements of Linux terminal server.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 What is a path? Explain different types of paths to locate a file in UNIX system.

OR

3 Describe in detail about the structure of UNIX.

UNIT – II

4 What is piping? What is pipe operator? Explain with example.

OR

5 Which statement is used as multiway selection in shell? With the help of syntax and flow chart explain it in detail. Write a program to demonstrate the same.

UNIT – III

6 Draw and explain the structure of typical file system.

OR

7 What is swap partition? Explain the need of it in detail.

UNIT – IV

8 Write and explain the steps to be followed by creating the server application.

OR

9 Explain how to install Apache on LINUX / UNIX.

UNIT – V

10 Write the process to setup a Linux mail server.

OR

11 Write short notes on Print server in Linux.
