

Unit IV

No. of Printed Pages : 04

Roll No.

7. (a) Explain with suitable example the networking commands used in UNIX. **10**
(b) Write a note on wild card characters. **5**
8. Write notes on the following :
(a) DNS
(b) Setting up of WWW servers under UNIX
(c) Reserved words. **3×5=15**

F213

B.C.A. EXAMINATION, May 2019

(Sixth Semester)

(B. Scheme) (Main & Re-appear)

(BCA)

BCA306B

SYSTEM ADMINISTRATION

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What do you mean by Operating System ?

Explain various types of operating systems.

15

2. (a) With a block diagram explain Unix operating system organization and explain

Kernel Shell Relationship. **10**

- (b) What is the difference between Unix and Windows Operating System ? **5**

Unit II

3. (a) Explain curl, tail, grep, ps, env, netstate, yum and chmod command in unix with examples. **8**

- (b) Explain the three modes of the Vi-Editor. **7**

4. (a) What is a pipe in Unix ? When do you required namesless pipe ?

- (b) Write a shell script which displays names of directories in PATH in one line each.

- (c) What is difference between Message Queue and Pipes ? **3×5=15**

Unit III

5. (a) How the synchronization in the Kernel does take place ?

- (b) What are the functional activities of system administrator ?

- (c) How do we mount and unmount file system in UNIX ? **3×5=15**

6. (a) Write the process of maintaining the security in UNIX.

- (b) Explain the process of setting up of remote communication in UNIX ?

- (c) Write the procedure of installing printer and peripheral devices on Unix. **3×5=15**