



US – 653

IV Semester B.C.A. Examination, May 2017  
(Y2K8 Scheme)  
**COMPUTER SCIENCE**  
**BCA 406 : UNIX Programming**

Time : 3 Hours

Max. Marks : 70

SECTION – A

Answer **any 10** questions :

(10×1=10)

1. Write the difference between UNIX and DOS operating system.
2. How to link files in UNIX ?
3. What is the use of cal command ?
4. Mention different types of file permissions available in UNIX.
5. How to decrease priority of a process.
6. Mention any two disk related commands.
7. What is a filter ?
8. What are the different types of variables available in UNIX ?
9. What is the use of set command ?
10. What is the function of write command ?
11. What is file encryption ?
12. What is the use of PSI ?

SECTION – B

Answer **any five** questions :

(5×3=15)

13. What are the two types of UNIX commands ?
14. Explain the various usage of cat command.
15. Explain any three options used with PS command.
16. What is the significance or back quote in command line ?
17. Explain expr command with an example.
18. What are the features of awk command ? Explain.
19. Explain the difference between finger and WHO command.
20. Write any three duties of system administrator.

**LIBRARY**

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## SECTION – C

Answer **any five** questions :

(5×7=35)

21. Describe various blocks in UNIX file system.
22. Explain different types of processes in UNIX.
23. Explain any four directory related commands.
24. Differentiate break and continue with an example.
25. Explain the following files command.
  - a) Uniq 2
  - b) Cut 2
  - c) Sort 2
  - d) Tail. 1
26. Explain sending and receiving mail in UNIX.
27. Write a program to print prime number between m and n ( $m < n$ ).
28. What is positional parameter? Explain different positional parameters available in UNIX.

## SECTION – D

Answer **any one** question :

(1×10=10)

29.
    - a) Explain case statement with an example. 5
    - b) Explain mounting of a file system. 5
  30.
    - a) Explain with an example how test command is used with files. 5
    - b) Explain grep command with example. 5
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