



SA – 916

IV Semester B.C.A. Degree Examination, April/May 2015
(Y2K8 Scheme)
COMPUTER SCIENCE
BCA 406 : Unix Programming
(70 Marks – 2012-13 and Onwards / 60 Marks – Prior to 2012-13)

Time : 3 Hours

Max. Marks : 60/70

- Instructions :** 1) Answer *all* the Sections.
2) Section **D** is students for **2012-13** and onwards (**70**).

SECTION – A

Answer **any ten** questions. **Each** question carries **one** mark. **(10×1=10)**

1. What is the use of WHO command ?
2. List the different parts of a UNIX file system.
3. Mention different states of a process.
4. What is the use of rice command ?
5. Name the command used to make the file system in UNIX.
6. What is meant by redirection ?
7. What is a pipe ?
8. What is the use of set command ?
9. Mention the different types of shell variables.
10. What is the use of PS1 ?
11. What is the use of wall command ?
12. What is file encryption ?

SECTION – B

Answer **any five** questions. **Each** question carries **three** marks. **(5×3=15)**

13. Explain any three features of UNIX operating system.
14. Explain the process scheduling commands.
15. Explain the mounting of file system in UNIX.

P.T.O.



16. Explain the WC command with different options.
17. Explain the different modes of vi editor.
18. Explain the use of test command.
19. Explain the use of finger command.
20. Explain the super user's privileges.

SECTION - C

Answer **any five** questions. **Each** question carries **seven** marks.

(5×7=35)

21. Explain with a neat diagram the UNIX system architecture.
22. Explain the different file access permissions and different types of users.
23. Explain the mechanism of process creation.
24. a) Explain file compression. 4
b) Explain disk related commands. 3
25. What is a filter ? Explain any three filter commands with example. 7
26. a) Explain the different use of sort command. 4
b) Explain disk partitioning. 3
27. Write a shell program to check if a string is a palindrome.
28. Explain domain name system with a neat diagram.

SECTION - D

Answer **any one** question. **Each** question carries **ten** marks.

(1×10=10)

29. a) Explain the use of grep command. 5
b) Write note on SED. 5
30. Write a menu driven shell program to implement the following UNIX commands.
a) rm - r b) uniq c) tail d) cmp