



SM – 632

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IV Semester B.C.A. Degree Examination, May/June 2018
(Y2K8 Scheme)
(Repeaters)
COMPUTER SCIENCE
BCA 406 : Unix Programming



Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Section A, B, C is common to all.
2) Section D is applicable to the students who have taken admission from 2012 – 13 onwards.

SECTION – A

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

1. List the different parts of unix file system.
2. What is the use of who command ?
3. Define disk partitioning.
4. What is the significance of back quote in a command line ?
5. Write the usage of du command.
6. What is a shell ?
7. What are positional parameters ?
8. Mention the difference between cat and touch command.
9. What is an interrupt ?
10. What is the use of tar command ?
11. What is a filter ?
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.

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14. Explain the concepts of a piped process.
15. Explain external commands with example.
16. Describe file compression methods in unix.
17. Explain the usage of nobup command.
18. Write a shell script to count the number of vowels in a string.
19. Explain the different types of variables used in unix.
20. Describe the function of boot block.

SECTION – C

Answer **any five** questions. **Each** question carries **seven** marks. **(5×7=35)**

21. Explain unix system architecture with a neat diagram.
22. a) What are the different modes of file permissions ? Explain with example.
b) Explain the various purpose of cat commands. **(4+3)**
23. Explain different looping control structures available in shell programming.
24. Write a note on file comparison commands.
25. Explain filters in unix with example.
26. a) Explain ls command and its options.
b) Write a note on ulimit command. **(4+3)**
27. Write a shell script to assign file permission to the given file using
a) Symbolic mode and b) absolute mode.
28. Explain different privileges of a system administrator.

SECTION – D

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

29. Explain test commands with example.
30. Write a note on SED.