

C 4501

B.C.A. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2017.

End Semester Examination

Fourth Semester

Part II

UNIX

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE questions. **(5 × 4 = 20 Marks)**

1. What are the different types of files in an UNIX operating system? Explain briefly.
2. With example, explain the date and lock commands
3. Give the directory structure of UNIX file System
4. What are the different attributes of a file? Explain how they are modified
5. Explain briefly different types of shells available in Unix O.S?
6. What is the parent and child process? Explain briefly.
7. What is the need for file permissions? How will you change file permissions?
8. Give the sequence of commands (pipeline) for: (a) To remove duplicate records from a file. (b) list five largest files in the current dir.

PART — B

Answer ALL the questions. **(5 × 10 = 50 Marks)**

9. (a) With a block diagram explain UNIX operating system organization and explain Kernel Shell relationship.

Or

- (b) Explain multi-user capability of UNIX.
10. (a) What is the format for Unix command? Explain with example.

Or

- (b) Mention at least four directories that will be present in a UNIX file system very briefly explain what these directories contain?

Turn Over

11. (a) What is file? Explain the different types of files in UNIX.

Or

(b) Explain the following file handling commands `wc`, `split`, `comm` and `cmp` each with an example.

12. (a) Write short note on vi editor.

Or

(b) What are shell variables? Explain with examples.

13. (a) How will you test various file attributes while writing shell scripts?

Or

(b) How do you determine the length of a string, extract a sub string and locate the position of a character in the string using `Expr`? Explain with an example.
