

Sixth Semester B.C.A. Degree Examination
April / May 2019
(2016-17 New Scheme)
(BCF 430) UNIX AND SHELL PROGRAMMING

Time : 3 Hours

Max. Marks : 80

PART-A**I. Answer ALL the questions: (5x1=5)**

1. Write the command structure in Unix.
2. Which command is used to remove a file?
3. _____ command is used to move the process to background.
4. What is man command in unix?
5. Define cron tab in unix.

PART-B**II. Answer any FIVE of the following questions: (5x15=75)**

6. a) Explain the UNIX architecture with a neat diagram. **05**
b) List the features of UNIX. Explain any two of them. **05**
c) Briefly explain the layout of man command. **05**
7. a) What is file ? Explain its types with example. **05**
b) Write a note on compressing and archiving files. **05**
c) With syntax and examples explain
(i) cmp (ii) comm (iii) diff **05**
8. a) Explain the output of ls -l command. **05**
b) Write a short note on chmod command. **05**
c) Explain how to change file ownership and group ownership. **05**
9. a) Explain the different modes of vi editor with a neat diagram. **05**
b) Explain the commands used to enter into the insert mode. **05**
c) Explain navigation in vi editor. **05**
10. a) Define Process. Explain process creation mechanism. **05**
b) Write a short note on zombies and process states. **05**
c) Briefly explain Job Control in Unix. **05**
11. a) With syntax and examples explain the following commands.
(i) head (ii) tail (iii) sort **05**
b) Briefly explain grep command with its options and examples. **05**
c) Write a note on pattern matching? **05**
12. a) Explain shell interpretive cycles. **05**
b) Explain any five file test operators. **05**
c) Write a shell script to find number of directory files and ordinary files in the current directory. **05**