

Sixth Semester B.C.A Degree Examination

October / November 2019
(2016-17 - New Scheme)

(BCF 430) : UNIX AND SHELL PROGRAMMING

Time : 3 Hours

Max. Marks : 80

PART - I

I. Answer the following questions: 5x1=5

1. Expand UNICS.
2. Write the use of MAN Command.
3. Define Cron tab.
4. What you mean by Command line Arguments ?
5. _____ is used to save and quit in Vi editor.

II. Answer any FIVE of the following. 5x15=75

6. a) Explain Unix Architecture. **5**
b) Explain features of Unix. **5**
c) Explain the commands:
i) echo ii) cal iii) be **5**
7. a) Explain the output of ls-l command.
b) Explain Unix file system.
c) Explain the commands:
i) cmp ii) diff iii) cat **(5+5+5)**
8. a) Explain the Attributes of file in Unix.
b) Write a note on compressing and Archiving file in Unix.
c) Explain:
i) File permission ii) changing ownership with example. **(5+5+5)**
9. a) Explain the different modes of Vi-editor.
b) Explain the Command used for Navigation, Editing text and substitution in Vi - editor.
c) Write a shell script to reverse a Number. **(5+5+5)**

10. a) Explain the mechanism of process creation.
b) Write a note on Process States and Zombies.
c) Explain Job Control in Unix. **(5+5+5)**
11. a) Explain grep command with its option.
b) Explain the commands:
i) head ii) cut iii) sort iv) uniq
c) Write a shell script to count the number of characters in a given string. **(5+5+5)**
12. a) Explain Shell's interpretive cycle.
b) Write a note on pattern matching.
c) Write a shell script program to add, subtract, multiply the two given number paired on command line arguments. **(5+5+5)**

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