

CBCS SCHEME

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17CS35

Third Semester B.E. Degree Examination, Dec.2018/Jan.2019 Unix and Shell Programming

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. By writing a neat diagram, explain the architecture of UNIX. (10 Marks)
b. Discuss the following commands
i) ls ii) who iii) cat iv) echo (10 Marks)

OR

- 2 a. Explain the features of UNIX. (10 Marks)
b. Explain the commands used to add, modify and delete users. (10 Marks)

Module-2

- 3 a. What is a file? Explain different categories of files. (10 Marks)
b. By giving example, explain the following commands.
i) pwd ii) cd iii) mkdir iv) rmdir. (10 Marks)

OR

- 4 a. Discuss ls commands with options. (10 Marks)
b. Explain absolute method of changing permissions by giving example. (10 Marks)

Module-3

- 5 a. Explain different modes of Vi editor (10 Marks)
b. Discuss ex-mode commands of Vi editor. (10 Marks)

OR

- 6 a. Explain shell interpretive cycle. (04 Marks)
b. Which are standard files used in UNIX? Explain. (08 Marks)
c. By giving examples, explain extended regular expression. (08 Marks)

Module-4

- 7 a. With example, explain logical operators in shell programming. (05 Marks)
b. Discuss for statement in shell script with example. (05 Marks)
c. Write a shell program to do the following :
i) List of files ii) Processes of user iii) Today's date vi) Users of the system.
Using case conditional. (10 Marks)

OR

- 8 a. Discuss head and tail commands along with its options. (10 Marks)
b. By specifying examples, explain hard and soft links. (10 Marks)

Module-5

- 9 a. Along with the options and examples, explain ps command. (10 Marks)
b. By giving example, explain nice and nohup commands. (10 Marks)

OR

- 10 a. Explain string handling function of perl. (06 Marks)
b. With example, explain split and join function of perl. (06 Marks)
c. What is subroutine? Explain by giving example. (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.