

USN

J A Z I I M C A G I

10MCA14

First Semester MCA Degree Examination, June/July 2015
Introduction to UNIX

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Discuss the important feature of unix operating system. (10 Marks)
 b. Explain the following commands with examples:
 i) od ii) cmp iii) comm iv) diff. (10 Marks)
- 2 a. Explain the modes of vi-editor with diagram. (08 Marks)
 b. Explain the standard Input, standard output, standard error with respect to unix. (06 Marks)
 c. Differentiate between hardlink and softlinks with an example. (06 Marks)
- 3 a. Explain the 3 – mechanism of process creation. (06 Marks)
 b. Write a note on find command, explaining all the criteria used along with ‘find’ command. (10 Marks)
 c. Explain : i) bc ii) lp (04 Marks)
- 4 a. What is Sed command? Explain the option of sed command with example. (10 Marks)
 b. Write a shell-script that delete all lines containing specific word in one or more files supplied as argument to it. (10 Marks)
- 5 a. What is grep command? Explain the families of grep command. Explain any options of grep command with example. (10 Marks)
 b. Explain the following commands : i) tr ii) tee iii) export. (10 Marks)
- 6 a. Explain built – in variable and built – in function used by awk. (10 Marks)
 b. Write an awk – script to delete duplicate line from a text file. The order of the original lines must remain unchanged. (10 Marks)
- 7 a. How to costumise vi – editors? (10 Marks)
 b. How acquire super user’s status? Mention and explain the administration privileges. (10 Marks)
- 8 a. What is executed mode in advanced vi? Explain different handling multiple files in advance vi. (10 Marks)
 b. Explain : i) cpio ii) tar (10 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.

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