GBCS Scheme

		مه رید شد
		16/17MCA12
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First Semester MCA Degree Examination, Dec.2017/Jan.2018 **UNIX Programming**

Time: 3 hrs. Note: Answer FIVE full questions, choosing one full question from each module. Module-1

With a neat diagram, explain the architecture of UNIX operating system. (08 Marks) (08 Marks) Explain calendar, print, echo, be commands with examples.

OR

(06 Marks) With syntax, explain different forms of 'if' statement used in shell. (06 Marks) 2 Explain the working of for loop with an example. (04 Marks) b.

Briefly explain here document (<<).

Max. Marks: 80

Module-2 (04 Marks) What is a file? Explain different categories of files. (06 Marks) 3 a. Explain absolute and relative pathnames. (06 Marks) b. Explain Cp, rm, my commands. c.

OR

(08 Marks) What is 'ls' command? Explain in detail the ls-l command.

How chmod command can be used in changing absolute and relative permissions? (08 Marks)

Module-3

(08 Marks) With example, explain sort command for r, n, m, u options. (08 Marks) What is sed? Explain line addressing and context addressing. 5

OR

(08 Marks) With example, explain grep command for v, n, w, ℓ options. (04 Marks) 6 a. (04 Marks)

Explain substitution in sed with example.

Explain tr and uniq command.

Module-4 (06 Marks)

Explain any 4 built in variables used in awk.

Write an awk script to delete duplicate lines from a text file. The order of the original lines must remain unchanged.

errement computation from diagonal cross lines on the remaining blank pages. Any revealing of identification, appear

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OR

a. Explain any 4 built in functions used in awk. 8

b. Write an awk script to compute gross salary of an employee according to rule given below: if basic salary < 10000 then

hra = 15% of basic and DA = 45% of basic

if basic salary ≥ 10000 then

hra = 20% of basic and DA = 50% of basic

(08 Marks)

Module-5

a. Who is a super user? Explain privileges of super user?

(08 Marks)

b. What is a process? Explain the mechanism of process creation.

(08 Marks)

OR

10 a. Explain at and batch command.

(06 Marks)

- b. Why do we use history command? What is the output after executing following command?
 - i) grep http !30:4
 - ii) ! Cp : gs/doc/html
 - iii) ! find : s/pl/java
 - iv) echo!\$:r

(10 Marks)