



N-1482-R

Third Year B. C. A. (Sem. V) Examination

October / November - 2011

Paper-502 : Unix & Shell Programming

(Old & New Course)

Time : 3 Hours]

[Total Marks 70

Instructions

(1)

नीचे दशांश देव निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
T. Y. B. C. A. Sem. V

Name of the Subject :
Paper-502 : Unix & Shell Programming (Old & New Course)

Subject Code No. : 1 4 8 2 Section No. (1, 2,.....) Nil

Seat No. [] [] [] [] [] [] [] [] [] []

Student's Signature

- (2) Figure on the right indicate marks.
(3) Take assumption whenever necessary

1 Answer the following questions (any seven) :

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- List operators in awk.
- What do you mean by fork ?
- Define Inode number.
- What is use of nice command ?
- What is use of diff ? Explain with example.
- Differentiate > and >>.
- What is use of -v and -n option with cat ?
- What is significance of cp-R option ?
- Explain while loop in shell.

2 Answer the following : (any two)

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- Explain Absolute and Relative permission in detail.
- Explain sort in detail.
- Explain head, tail and uniq. filters.

- 3 (a) Write detail note on FSCK utility of unix. 6
(b) Features of Unix OS. 5

OR

- (a) Explain cmp and comm with example. 5
(b) What is significance of tee command explain with example. 3
- 4 (a) Write short note on modes of vi editor/ 5
(b) Explain any two commands from following : 4
(i) wc
(ii) bc
(iii) cal
(c) Explain find operator in detail. 5

OR

- (c) Write command for following (any five) : 5
(i) Forcefully delete each file from directory tybca/my work.
(ii) Show all hidden files from mydir/tybca.
(iii) Sort filename by last access time from directory tybca/mywork.
(iv) Rename file chap 1 to unit 1.
(v) Find out number of lines of file chap01.
(vi) Find out inode number of file chap01.
- 5 (a) Perform following commands on file emp.lst (any four) 4
(i) Write a command to sort a line of file and also remove repeated line.
(ii) Write a command to locate the 'tybca' ignoring case.
(iii) Write a command to display occurrence of string 'Sales'.
(iv) Write a command to display line which start with 'The'.
(v) Write a command to display line which end with 'ia'.

- (vi) Write a command to print first three line of file.
- (vii) Write a command to substitute 'doshi' with 'desai'.
- (b) Answer the following : (any two) 6
- (i) Write note on array in awk.
- (ii) Explain at and batch command.
- (iii) Explain Remembered pattern and Repeated pattern giving suitable example.
- (c) Write a shell script to check whether the number is Armstrong or not. 4
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