



UA-3762

Third Year B. C. A. (Sem. V) Examination  
March/April - 2012

Paper - 502 : Unix & Shell Programming  
(Old & New)

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
T. Y. B. C. A. (SEM. 5)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
PAPER-502 : UNIX & SHELL PROGRAMMING (OLD & NEW)		<input type="text"/>	
Subject Code No. :	<input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="6"/> <input type="text" value="2"/>	Section No. (1, 2,.....):	<input type="text" value="NIL"/>
		Student's Signature	

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

- 1 Answer the following questions : 14
- (1) Explain -u, -n, -r option of sort.
  - (2) Explain head filter.
  - (3) List basic regular expression used with grep.
  - (4) What do you mean by pipe ? Give example.
  - (5) Define significance of nice command.
  - (6) List the text modification command of vi editor.
  - (7) Define fork.
- 2 (a) Write detail note on structure file system of unix. 7
- OR**
- (a) Write detail note on ls-command with options and example. 7
- (b) Write a detail note on inode table. 7

3 (a) Write a shell script to check whether entered number is palindrome or not. 5

(b) Write a short note on sort command. 5

(c) Write a detail note on diff and comm. 4

OR

(c) Write a short note on chown and chgrp. 4

4 (a) Explain following commands : (any two) 4

(1) touch

(2) ps

(3) uniq

(b) Answer the following : (any one) 5

(1) Explain case condition with example in shell.

(2) Remembered pattern and Repeated pattern.

(c) Write any five commands : 5

(1) To print first three line of file Tybca.

(2) To sort file by last access time.

(3) To print field 1 and 6 from file Tybca.

(4) To print unique line of file Tybca.

(5) To print frequency of each line from file Tybca.

(6) To find file having size greater than five.

(7) To find a file having which have .c extention.

5 (a) Perform following commands on file dept.lst. : 7  
(any seven)

(1) Write a command to print lines which contain TYBCA.

(2) Write a command to print lines which not contain TYBCA.

(3) Write a command to print line 6 to 12.

- (4) Write a command to replace first occurrence of Surat with Vyara in each line.
- (5) Write a command to print content of file after deleting every ; .
- (6) Write a command to sort on 3 column to 5 column.
- (7) Write a command to convert small alphabets to capital alphabets.
- (8) Write a command to print lines with line number which contain "Marketing".

(b) Mechanism of process creation. 4

OR

(b) Explain pr and tr filters. 4

(c) Explain system variable in awk. 3

OR

(c) Explain array in awk. 3