BE-1891

Third Year B. C. A. (Sem. V) Examination
November / December – 2010
506 : Practicals

Time :   Hours]   [Total Marks : 140

Instructions :

(1)

> નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
> Fillup strictly the details of ☛ signs on your answer book.
>
> Name of the Examination :
> **T. Y. B. C. A. (Sem. 5)**
>
> Name of the Subject :
> **506 : Practicals**
>
> Subject Code No. : | 1 | 8 | 9 | 1 | ☛ Section No. (1, 2,.....) : | NIL |

Seat No. :

Student's Signature

(2)   All questions are compulsory.

(3)   Figures to the right indicate full marks.

(4)   Do paper work wherever necessary.

1   (a)   Create an applet to display number in the   25
               window and increment this number by one after every
               second through thread (the previous value should
               remain in the window).

       (b)   Write a program to input string through   15
               command line. Check each command line inputs and
               display only those strings which are in uppercase until
               whenever any lowercase string is found.
               For example: Inputted string = BCA, MCA, MBA Dca MBE
               Output should be : BCA   MCA   MBA

2   (a)   Write a shell script to input the filename and   20
               display the content of file in such a manner that each
               line has only 10 characters. If line in a file exceeds 10
               characters then remaining characters should be printed
               in the next line.

       (b)   Write a shell script to display all words that having   20
               length greater than N characters from file .N and
               filename must be pass from command line (validation
               required)

3   Design master page which contain information about your   40
     college. Display College title with different properties and it
     should moving from right to left. Take two contain pages have
     following
     Contain Page 1 :
     Design attractive page have all possible operations on
     given database   (Add, Delete, Update)
     Contain Page 2 :
     Use repeater control do display all records from table.
     Table : Student(RollNo, Name, Date of birth, total)

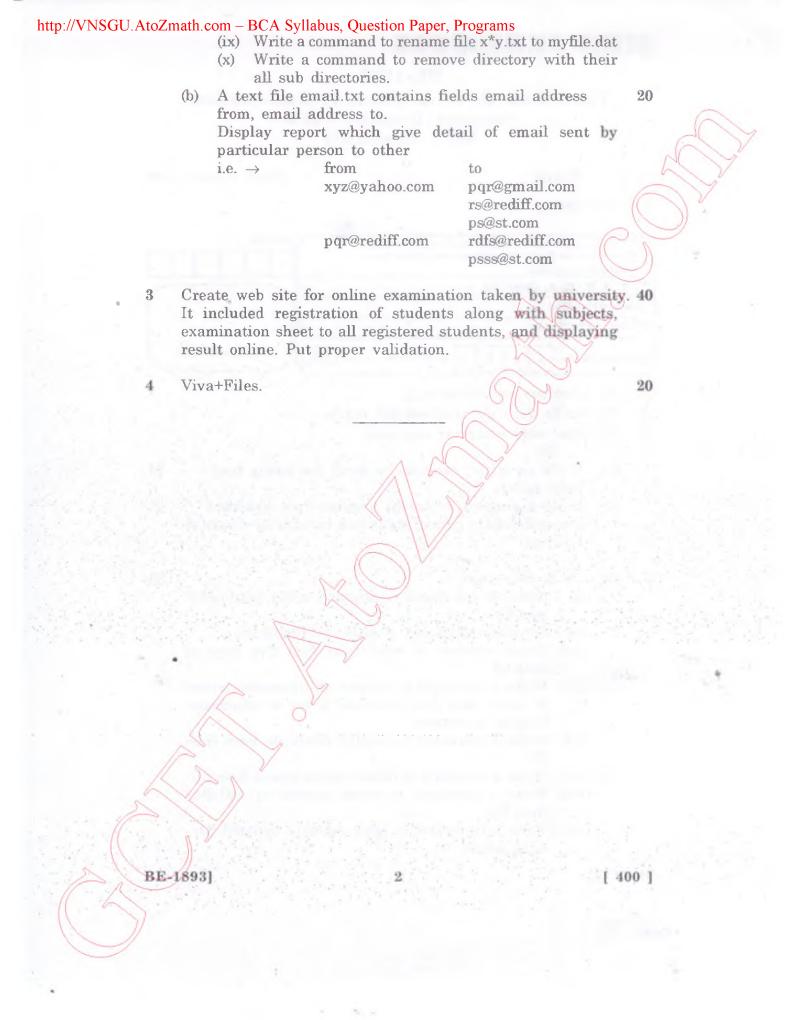4   Viva+Files.   20

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BE-1893

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Instructions :

(1)

(2)   All questions are compulsory.

(3)   Figures to the right indicate full marks.

(4)   Do paper work wherever necessary.

1   (a)   Write an applet program to scroll the string from right to left.   25

(b)   Write a program to accept number from command line and display sum of digits in a number by recursive function.   15

2   (a)   Do as following :   20

(i)   Simulate *cat data.txt* command using head/tail if possible.

(ii)   Simulate command *cp data1.txt data2.txt*.

(iii)   Count number of word from first five lines of data.txt.

(iv)   Write a command to convert all uppercase letters to lower case and lowercase letter to uppercase. Display on screen.

(v)   Write a command to display duplicate lines from file.

(vi)   Write a command to remove extra spaces form file.

(vii)   Write a command to count number of alphabet from file.

(viii) Write a command to open recently updated file in vi editor.

(ix) Write a command to rename file x*y.txt to myfile.dat

(x) Write a command to remove directory with their all sub directories.

(b) A text file email.txt contains fields email address from, email address to.   20

Display report which give detail of email sent by particular person to other

i.e. →   from   to

            xyz@yahoo.com   pqr@gmail.com

                                         rs@rediff.com

                                         ps@st.com

            pqr@rediff.com   rdfs@rediff.com

                                         psss@st.com

3   Create web site for online examination taken by university. 40 It included registration of students along with subjects, examination sheet to all registered students, and displaying result online. Put proper validation.

4   Viva+Files.   20

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Instructions :

(1)

(2)   All questions are compulsory.

(3)   Figures to the right indicate full marks.

(4)   Do paper work wherever necessary.

1   (a)   Write an applet program to scroll the string from right to left.   20

(b)   Write an application that creates and start three threads. Each thread is instantiated from the same class. It executes a loop with ten iterations. Each iterations display the character 'A' and sleep between 300 to 500 milliseconds. The application waits for all threads to complete and displays a message.   20

2.   (a)   Write and implement a shell script that will display all file names along with owner's name whose file name consists of more than 14 characters and at least one meta character.   20

(b)   Do as following :   20

(i)   Display all users names and their home directory.

(ii)   Move all the C files from current directory to parent directory.

(iii)   Store all file name of current directory in file DIR.txt without using ls command and also count total number of files.

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  (iv) Display first and last line from any file using grep command.

  (v) Remove duplicate lines from given file.

  (vi) Count the total number of character from file without using wc command.

  (vii) Convert all digits to "*" in file.

  (viii) Change the extension of all .txt files with .doc.

  (ix) Display the file name and no. of links of all the files which have more than one link.

  (x) Print all the files which contain word "Vishva".

3 Create website for Library Managements system for institutes which have different branches. 40
It includes Registration for Students, Faculty and others, Book Entry, Book_Issue/return entry, Fine management online. Put proper validation.

4 Viva+Files. 20

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