TCS-402   76   Printed Pages : 4

Paper Code & Roll No. to be filled in your Answer Book
Roll No.

B. Tech. 4th Semester CSE

UTU (EVEN SEM.-IV) Examination-2015

UNIX AND SHELL PROGRAMMING

Time : 2 Hrs.]   [Max. Marks :50

Note: Attempt all questions.

1. Attempt <u>any three</u> parts.   5×3=15

   a) List and explain various modes of vi editor. Give some commands to operate with these modes.

   b) How many types of files are there in Unix explain each of them.

   c) What is the role of kernal and shell in Unix?

   d) Explain the following commands with their options.

   (1) wc

   (2) od

   (3) uname

2. Attempt any three parts. 5×3=15

   a) Explain the difference between following commands?

      (1) cmp and diff

      (2) dos2unix and unix2dos

   b) Explain the positional parameters in Unix? How do you access command line arguments from within a shell script?

   c) Explain the following commands?

      (i) $ ls - l

      (ii) $ zip -d backupt.zip myfile.dat

      (iii) $ cat -n myfile.txt

      (iv) $ (date ; who) >> myfile.txt

      (v) $ who -q

   d) Explain the facility of mounting and un-mounting the files in Unix.

3. Attempt any two parts : 5×2=10

   a) Write a shell script to create the following menu and perform the operation as per the given choices using case statement.

(2)

Main Menu

(1) Copy File

(2) Remove File

(3) Remove Directory

(4) Exit From Program

b) Write a shell scirpt which receives two file names as arguments. It should check whether the two file contents are same or not. If they are same then remove both files.

c) Explain the following commands with their options:

(1) cat

(2) zip and unzip

(3) mailx

(4) cp

4. Attempt any two parts :   5×2=10

a) Explain the commonly used Shell Metacharacters with an examples.

b) What is a Boot block, super block and data block? Explain Unix boot process.

c) Explain backup and recovery related commands in UNIX file system.

—X—