

TCS/TIT-402

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## Even Semester Examination - 2017

### B.TECH. (IV SEMESTER)

## UNIX AND SHELL PROGRAMMING

Time: 02:00 Hours

Max Marks : 50

**Note:** Attempt **all** questions, each question carry **equal** marks.

1. Attempt any Two parts of the following: (5X2=10)
  - (a) Explain salient features of Unix.
  - (b) Explain UNIX system organization
  - (c) Draw the tree structure of Unix file system.
  
2. Attempt any Two parts of the following: (5X2=10)
  - (a) What will be effect of following Unix commands
    - i) `chmod 777 aaa.c`      ii) `touch xyz`
  - (b) Write the use of following UNIX utilities with example I) who II) cat III) mv IV) uname V) cp
  - (c) What are the use of zip and unzip and How these utilities are used in UNIX.

3. Attempt any three parts of the following: (5X3=15)

(a) Write a shell script to find sum of two numbers.

(b) Write the difference between C shell and bourne shell

(c) How for loop is used in shell script explain it with an example.

(d) Explain the use of test command in UNIX with an example.

4. Attempt any three parts of the following: (5X3=15)

(a) Explain mounting and unmounting in UNIX.

(b) What is the use of user quota in UNIX file system.

(c) Explain backup and recovery procedure in UNIX system.

(d) How do we handle user accounts in UNIX explain with example.

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