Code: IT5T1

III B.Tech - I Semester – Regular/Supplementary Examinations October 2018

UNIX
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

$$11x\ 2 = 22\ M$$

1.

a) List the text processing command of vi editor.

b) What is the importance of ssty?

c) What are the importance of /tmp directory?

d) List at least two popular shells including their default prompt.

e) What are the Advantages of C Shell over Bourne Shell?

f) List various Library functions.

g) List the characteristics of Unix file structure.

h) How will you kill a daemon?

i) What is fork?

j) Define abort & sleep function.

k) Discuss advantages of Named Pipes.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

$$16 \times 3 = 48 \text{ M}$$

2. a) Explain the following unix commands
   i) grep ii) date iii) egrep iv) gzip   v) fgrep.   8 M

   b) Explain the modes of vi editor.   8 M

3. a) Write a shell script to remove only empty files from current directory.   8 M

   b) Explain the features of the bourne shell.   8 M

4. a) Discuss about Standard I/O functions.   8 M

   b) Explain the following Directory API with example
      i) readdir   ii) mkdir.   8 M

5. a) What is a process? Explain process management.   8 M

   b) What is process status? Explain Ps with options.   8 M

6. a) How are signals classified in UNIX system? Explain in detail.   8 M

   b) Explain about IPC.   8 M