

B.Tech III Year I Semester (R13) Regular & Supplementary Examinations November/December 2016
UNIX & SHELL PROGRAMMING
 (Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What is an operating system? Mention the characteristics of Unix operating system.
 - Describe the different modes available for vi editor.
 - Define a job. How can we suspend the foreground job?
 - List the options available with tail command.
 - What is the use of the following commands: I, A, P, X?
 - Illustrate the following: 10yy, 6dd, 4J and 40G.
 - Write a shell script by using korn shell to read a file line by line.
 - Give brief description about dot atom.
 - Write C shell script to accept the user name through the keyboard and wish them.
 - Write short notes on basic operators in expressions.

PART – B
 (Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Draw and explain the typical architecture of Unix.

OR

- 3 Discuss in detail about the various levels of security.

UNIT – II

- 4 (a) What is meant by redirection? Discuss about the different types of redirection.
 (b) Explain how to customize the korn shell environment.

OR

- 5 (a) Write a shell script to count the number of words, characters and lines present in a file.
 (b) Write short notes on aliases.

UNIT – III

- 6 (a) Explain the role of domain address in electronic mail.
 (b) Which utility is used to transfer files from client to server? Explain it in detail.

OR

- 7 What is grep? Why we are using it? Explain the grep family.

UNIT – IV

- 8 Give brief description about the different types of expressions supported by korn shell.

OR

- 9 Write shell scripts for the following:
 (a) To print the Factorial values of any given number.
 (b) To find whether the string is a palindrome or not.

UNIT – V

- 10 (a) Write short notes on the special files of a Unix.
 (b) Write a shell script to reverse any given number (Input: 1234 : Output: 4321).

OR

- 11 (a) Give brief description about the special parameters of a C shell.
 (b) Write a C shell script to print the multiplication table up to the given number.