M. Tech. II Semester Supplementary Examinations, October-2021

ADVANCED UNIX PROGRAMMING

Common to Information Technology (40), Computer Science (05), Computer Science & Technology (59) and Computer Science & Engineering (58)

Time: 3 Hours   **Max. Marks: 60**

Answer any FIVE Questions
All Questions Carry Equal Marks

1. a Discuss in detail the following basic UNIX commands: 6M
          i) passwd   ii) mkdir   iii) ls
    b Explain the following commands with suitable examples: 6M
          i) who   ii) date   iii) mkdir   iv) stty

2. a What are the possible file system security levels? How to change permissions of a   6M
          file.
    b Explain Structure of Unix Operating Systems.   6M

3. a Write a shell script to calculate gross salary of employee with DA as 70% and HRA   6M
          as 25%, and read basic salary though keyboard.
    b What is a shell? Give brief description about the features of Born shell.   6M

4. a Briefly discuss awk programming.   6M
    b List out various shell variables and explain each with an example.   6M

5. a Discuss the following in detail: 6M
          i) Trap command   ii) Stty command
    b Explain about sed with usage.   6M

6. a Explain about flow control commands in shell programming.   6M
    b How to remove blank lines from a file using grep? And Explain   6M

7. a Write a script that accepts one or more file names as argument and convert the file   6M
          names to upper case.
    b Write a shell program using if then.. else if .. then else by using test command.   6M

8. a Write a shell script to display number of occurrences of a given word in a list offiles.   6M
    b Discuss job control commands in detail.   6M

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