

Code No: R05320503

R05**Set No. 2**

III B.Tech II Semester Examinations, December 2010

UNIX PROGRAMMING

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. (a) Write a shell script to accept a string from the terminal and use 'case' to echo a suitable message if the string does not have at least 10 characters using:
 - i. case
 - ii. expr
- (b) Write a shell script to display the processes in the system five times every 30 seconds using:
 - i. while loop
 - ii. for loop. [8+8]
2. Write a C program in which a process creates a child process that prints the prime numbers from 10-50 after parent process print the odd numbers from 100 to 150. [16]
3. Explain the concept of IPC between two processes on two different systems. Give Example. [16]
4. Write about directory maintenance system calls. [16]
5. Explain after a multilayer perceptron is trained, what should the optimum decision rule be for classifying the M outputs of the network? [16]
6. (a) Give the tar command options for:
 - i. extract
 - ii. table of contents
 - iii. copy
 - iv. multivolume backup
 - v. restoring files
 - vi. displaying archive.
- (b) Describe the tee command.
- (c) Compare and contrast cmp and diff. [6+6+4]
7. Write about different Unix locking techniques. [16]
8. Explain the following:
 - (a) linear divergence
 - (b) Exponential divergence. [8+8]

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R05**Set No. 4**

III B.Tech II Semester Examinations, December 2010

UNIX PROGRAMMING

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Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Explain the concept of IPC between two processes on two different systems. Give Example. [16]
2. Explain the following:
 - (a) linear divergence
 - (b) Exponential divergence. [8+8]
3. Write a C program in which a process creates a child process that prints the prime numbers from 10-50 after parent process print the odd numbers from 100 to 150. [16]
4. Write about directory maintenance system calls. [16]
5. (a) Give the tar command options for:
 - i. extract
 - ii. table of contents
 - iii. copy
 - iv. multivolume backup
 - v. restoring files
 - vi. displaying archive.(b) Describe the tee command.
- (c) Compare and contrast cmp and diff. [6+6+4]
6. Explain after a multilayer perceptron is trained, what should the optimum decision rule be for classifying the M outputs of the network? [16]
7. (a) Write a shell script to accept a string from the terminal and use 'case' to echo a suitable message if the string does not have at least 10 characters using:
 - i. case
 - ii. expr(b) Write a shell script to display the processes in the system five times every 30 seconds using:
 - i. while loop
 - ii. for loop. [8+8]
8. Write about different Unix locking techniques. [16]

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R05**Set No. 1**

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UNIX PROGRAMMING

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Explain after a multilayer perceptron is trained, what should the optimum decision rule be for classifying the M outputs of the network? [16]
2. (a) Write a shell script to accept a string from the terminal and use 'case' to echo a suitable message if the string does not have at least 10 characters using:
 - i. case
 - ii. expr(b) Write a shell script to display the processes in the system five times every 30 seconds using:
 - i. while loop
 - ii. for loop. [8+8]
3. Write about different Unix locking techniques. [16]
4. Write a C program in which a process creates a child process that prints the prime numbers from 10-50 after parent process print the odd numbers from 100 to 150. [16]
5. (a) Give the tar command options for:
 - i. extract
 - ii. table of contents
 - iii. copy
 - iv. multivolume backup
 - v. restoring files
 - vi. displaying archive.(b) Describe the tee command.
- (c) Compare and contrast cmp and diff. [6+6+4]
6. Explain the concept of IPC between two processes on two different systems. Give Example. [16]
7. Explain the following:
 - (a) linear divergence
 - (b) Exponential divergence. [8+8]
8. Write about directory maintenance system calls. [16]

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R05**Set No. 3**

III B.Tech II Semester Examinations, December 2010

UNIX PROGRAMMING

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Explain after a multilayer perceptron is trained, what should the optimum decision rule be for classifying the M outputs of the network? [16]
2. (a) Give the tar command options for:
 - i. extract
 - ii. table of contents
 - iii. copy
 - iv. multivolume backup
 - v. restoring files
 - vi. displaying archive.(b) Describe the tee command.
(c) Compare and contrast cmp and diff. [6+6+4]
3. Write a C program in which a process creates a child process that prints the prime numbers from 10-50 after parent process print the odd numbers from 100 to 150. [16]
4. Explain the concept of IPC between two processes on two different systems. Give Example. [16]
5. Write about different Unix locking techniques. [16]
6. Write about directory maintenance system calls. [16]
7. Explain the following:
 - (a) linear divergence
 - (b) Exponential divergence. [8+8]
8. (a) Write a shell script to accept a string from the terminal and use 'case' to echo a suitable message if the string does not have at least 10 characters using:
 - i. case
 - ii. expr(b) Write a shell script to display the processes in the system five times every 30 seconds using:
 - i. while loop
 - ii. for loop. [8+8]
