Code No: R05411902 | **R05** | **Set No. 2**

IV B.Tech I Semester Examinations, November 2010
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. What are shell variables? State the rules behind building shell variables. Explain the Unix defined variables. [16]

2. Attempt following:
   - write a shell script to find factorial of any number entered from keyboard.
   - Write a shell script to find gcd of 2 integers entered from key board. [16]

3. (a) Write a program to illustrate simple memory allocation.
   (b) Explain any two memory allocation functions in detail. [8+8]

4. (a) How the Unix file system characterized?
   (b) What is meant by inode? What does it contain? Explain. [8+8]

5. (a) What are the different properties that are inherited by the child from its parent. Explain.
   (b) What are the differences between parent and child processes. [8+8]

6. What is a directory? Explain various directory maintenance functions? [16]

7. Explain the following commands
   join, paste, comm, tr. [4×4]

8. Explain the various system calls in semaphores and shared memory. [16]

⋆ ⋆ ⋆ ⋆ ⋆

Code No: R05411902   **R05**   **Set No. 4**

IV B.Tech I Semester Examinations, November 2010
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. Explain the following commands
   join, paste, comm, tr.   [4×4]

2. (a) What are the different properties that are inherited by the child from its parent. Explain.
   (b) What are the differences between parent and child processes.   [8+8]

3. What are shell variables? State the rules behind building shell variables. Explain the Unix defined variables.   [16]

4. Explain the various system calls in semaphores and shared memory.   [16]

5. Attempt following:
   - write a shell script to find factorial of any number entered from keyboard.
   - Write a shell script to find gcd of 2 integers entered from key board. [16]

6. (a) Write a program to illustrate simple memory allocation.
   (b) Explain any two memory allocation functions in detail.   [8+8]

7. What is a directory? Explain various directory maintenance functions?   [16]

8. (a) How the Unix file system characterized?
   (b) What is meant by inode? What does it contain? Explain.   [8+8]

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Code No: R05411902 | **R05** | **Set No. 1**

IV B.Tech I Semester Examinations, November 2010
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) What are the different properties that are inherited by the child from its parent. Explain.

   (b) What are the differences between parent and child processes.   [8+8]

2. (a) Write a program to illustrate simple memory allocation.

   (b) Explain any two memory allocation functions in detail.   [8+8]

3. Explain the following commands
   join, paste, comm, tr.   [4×4]

4. Attempt following:
   - write a shell script to find factorial of any number entered from keyboard.
   - Write a shell script to find gcd of 2 integers entered from key board. [16]

5. (a) How the Unix file system characterized?

   (b) What is meant by inode? What does it contain? Explain.   [8+8]

6. What are shell variables? State the rules behind building shell variables. Explain the Unix defined variables.   [16]

7. Explain the various system calls in semaphores and shared memory.   [16]

8. What is a directory? Explain various directory maintenance functions?   [16]

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3

Code No: R05411902 **R05** **Set No. 3**

IV B.Tech I Semester Examinations, November 2010
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. Explain the various system calls in semaphores and shared memory. [16]

2. What is a directory? Explain various directory maintenance functions? [16]

3. (a) Write a program to illustrate simple memory allocation.

   (b) Explain any two memory allocation functions in detail. [8+8]

4. (a) How the Unix file system characterized?

   (b) What is meant by inode? What does it contain? Explain. [8+8]

5. What are shell variables? State the rules behind building shell variables. Explain the Unix defined variables. [16]

6. Explain the following commands
   join, paste, comm, tr. [4×4]

7. Attempt following:
   - write a shell script to find factorial of any number entered from keyboard.
   - Write a shell script to find gcd of 2 integers entered from key board. [16]

8. (a) What are the different properties that are inherited by the child from its parent. Explain.

   (b) What are the differences between parent and child processes. [8+8]

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