

IV B.Tech. II Semester Supplementary Examinations, July -2005

UNIX AND WINDOWS NT
(Electrical & Electronic Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the difference between UNIX and DOS operating system.
(b) Give the block diagram of UNIX operating system.
2. Explain the following commands with examples:
 - (a) Creating a File
 - (b) Copying a File
 - (c) Renaming a file
 - (d) Deleting a File.
3. (a) Create a file and give only execute permission to your group members and others
(b) Create a file and change the ownership then change its permissions
(c) Find and delete all files with the word "good "
4. What are the different functions of shell and explain with examples
5. What is the purpose of grep command? Explain the various options available with the grep command with an example.
6. (a) What is the exit status of a command? What is its normal value and where is the values stored?
(b) How will you make sure that a script prompts you before exiting on interruption?
7. How the Windows NT operating system can partition the disk? How it can make use free space while partitioning?
8. (a) Write a brief note on Remote Server Manager.
(b) How the Windows NT can manage the users?

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1. (a) Explain the difference between UNIX and WINDOWS operating system.
(b) Discuss the various objectives of UNIX operating system.
2. Explain following commands with examples:
 - (a) Listing Files
 - (b) Copying File
 - (c) Linking a File
 - (d) Displaying the contents of a File
3. List the various operations needed in handling a file and explain with examples.
4. (a) Write short notes on:
 - i. Executable file version
 - ii. Built in commands(b) Write about shell programming
5. (a) Explain in detail about Pipes and filters in UNIX.
(b) Explain any two filters giving examples.
6. (a) Print the string "unix" 20 times without using a loop statement.
(b) Write a shell script to print the following and explain.
1 * 6 = 6
2 * 6 = 12
3 * 6 = 18
4 * 6 = 24
5 * 6 = 30
.....
10 * 6 = 60
7. Explain Windows NT Architecture with a neat block diagram.
8. Explain various responsibilities of remote server manager.

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1. (a) Briefly explain the functions of the Screen editor. What are the various applications of screen editing.
(b) How does the UNIX operating system makes use of the shell commands.
2. Explain the following UNIX commands:
 - (a) ls
 - (b) cp
 - (c) cat
 - (d) rmdir
3. (a) Create 2 files with a list of names in each. Print out the names common to both the files
(b) What are default permissions for different types of files
4. (a) Write short notes on:
 - i. Executable file version
 - ii. Built in commands
(b) Write about shell programming
5. (a) How background processing is achieved in unix? Explain with an example?
(b) Suppose a process A is running in its higher priority how will you decrease its priority and run your process in higher priority? Explain the above using shell command?
6. Explain about the operators that are used in the formation of conditional expressions.
7. (a) Distinguish between Windows NT work station and Windows NT server.
(b) Write a brief note on free space.
8. What is a remote server manager window? How does the remote server manager connects the user sessions and disconnects the user sessions?

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1. (a) Discuss about the File handling utilities.
(b) Explain the modes of Screen editor.
2. How does the UNIX operating system deals with Files and Directories? How it differentiates between the File and Directory?
3. (a) Create a file and give only execute permission to your group members and others
(b) Create a file and change the ownership then change its permissions
(c) Find and delete all files with the word "good "
4. (a) Explain different redirection parameters and explain
(b) Write about shell variables
5. Write short notes on
(a) Background processing
(b) foreground processing
6. (a) Under what circumstances will a kill signal not terminate a process immediately?
(b) What if a process receives a signal while handling another? How may a processes control its behaviour in this case?
7. Mention various tools in Windows NT and explain any two of them.
8. Discuss the following in detail.
(a) multiple master domain model
(b) complete trust domain model.
