

13. How do you delete a file?
 A. **rm filename** C. touch filename
 B. cut filename D. less filename
14. _____ works as a command interpreter.
 A. Hardware C. Kernel
 B. **Shell** D. CPU
15. vi always starts in _____ mode.
 A. **command** C. last line
 B. insert D. ex
16. To get out of insert mode, press the _____ key, which will put you back into command mode.
 A. Shift C. **Esc**
 B. Ctrl D. Alt
17. Which command is used to copy all files having the string chap and any two characters after that to the progs directory?
 A. cp chap* progs C. cp chap[12] /progs/*.*
 B. **cp chap?? progs** D. None of these

UNIT 2

1. Which command can be used to display the contents of a file on the screen?
 A. ls C. **cat**
 B. grep D. cut
2. How can you append the output of a command to a file?
 A. command < file C. command > file
 B. command << file D. **command >> file**
3. When the shell is used from a terminal it will issue a prompt before reading a command. By default this prompt is _____.
 A. > C. &
 B. **\$** D. #
4. The shell prompt when further input is needed, by default it is _____.
 A. > C. &
 B. **\$** D. #
5. The cat command is used to
 A. capture a file C. copy a file
 B. print a file D. **display a file**
6. When you execute a script called test at \$ prompt as \$test hi hello then test will be stored in _____ positional parameter.
 A. \$# C. **\$0**
 B. \$* D. \$1
7. Use of \ in removing meaning of any meta character placed after it is known as _____.
 A. **Escaping** C. Editing these
 B. Treating D. None o

8. Any command surrounded by backquote is executed by shell and its output is inserted in the place it was found. This is known as _____.
- A. Command replacement
 - B. Parsing
 - C. **Command substitution**
 - D. Command execution
9. _____ pathname uses the current directory as point of reference for the file.
- A. **Relative**
 - B. Absolute
 - C. Both A and B
 - D. None of these
10. _____ commands are executed directly by the shell. These commands will not have a separate process running for each.
- A. External
 - B. Background
 - C. **Internal**
 - D. None of these

UNIT 3

1. if statement ends with _____.
- A. end
 - B. **fi**
 - C. end if
 - D. none
2. case statement ends with _____.
- A. end
 - B. **esac**
 - C. end case
 - D. None of these
3. for logical AND operator _____ option is used
- A. **-a**
 - B. -c
 - C. -o
 - D. -d
4. For Logical OR operator _____ option is used.
- A. -a
 - B. -c
 - C. **-o**
 - D. -d
5. Which of the following are used as loops?
- A. for
 - B. while
 - C. **Both A and B**
 - D. None of these
6. For taking input from the user in shell script _____ command is used
- A. echo
 - B. **read**
 - C. Both A and B
 - D. None of these
7. To display the content as it is _____ command is used.
- A. **echo**
 - B. read
 - C. Both A and B
 - D. None of these
8. To turn debugging on _____ option is used with set command.
- A. **-vx**
 - B. +vx
 - C. -dx
 - D. None of these
9. Choose incorrect statement.
- A. Shell scripts can accept arguments.
 - B. **Shell scripts are compiled.**
 - C. Shell scripts are interpreted.
 - D. Shell supports programming.

UNIT 4

1. Which command is used to extract specific columns from the file?
A. cat
B. grep
C. **cut**
D. paste
2. In delimited file format, designated keyboard characters known as _____ are used to maintain the data's tabular organization.
A. **delimiters**
B. separator
C. partition
D. divider
3. _____ format eliminate the need for delimiters.
A. **Fixed length file**
B. Delimited file
C. Both A and B
D. None of above
4. Which of the following is not a filter program?
A. **date**
B. sort
C. cat
D. grep
5. Which of the following results in error?
A. expr 4 + 5
B. expr 4 - 5
C. **expr 4 * 5**
D. expr 4 / 5
6. _____ command copies to output those lines in the input that match a specified pattern.
A. cut
B. paste
C. echo
D. **grep**
7. Full form of grep is _____.
A. **Globally search with Regular Expressions and Print**
B. Global Read Expression and Print
C. Goto Regular Expression and Print
D. None of above
8. Full form of sed is
A. Sequential Data
B. **Stream Editor**
C. Sequence Editor
D. None of these
9. _____ option of grep doesn't display lines matching expression.
A. -c
B. -i
C. **-v**
D. -x
10. Which symbol will be used with grep command to match the pattern pat at the beginning of a line?
A. **^pat**
B. \$pat
C. pat\$
D. pat^
11. _____ command display the status of a process.
A. ls
B. **ps**
C. grep
D. cat

SHORT QUESTIONS (Each of 2 Marks)**UNIT 1**

1. List Strengths of UNIX like Operating system.
2. List Weaknesses of UNIX like Operating system.
3. Define term Kernel in context of UNIX.
4. Define Remote Access and Remote Login.
5. Explain Command Line in brief.
6. List Modes of Operation of vi Editor.
7. Explain Pattern Searching and Replacement facility of vi editor.
8. Discuss the following commands in short taking an example.
pwd, cd, mkdir, rmdir, cp, mv, rm (2 mark each)
9. List all saving and quitting commands of vi editor.
10. List out any four environment variable with their usage.

UNIT 2

1. Define: prompt, external command
2. Explain in brief: Building block approach
3. Explain quoting in brief.
4. Explain escaping in brief.
5. Define: internal command. Give 2 examples of internal commands.
6. What is relative path? Explain with example.
7. Differentiate: > and >>
8. Explain cat command in brief.
9. Explain echo command in brief.

UNIT 3

1. Explain if statement in LINUX.
2. Explain Test command for integer comparison.
3. Differentiate: if and case
4. Explain while loop with example
5. Explain echo command
6. Explain read command
7. Explain for loop with example.
8. Explain set command in brief.

UNIT 4

1. Define: filter. Give 2 examples of filter.
2. Explain use of expr for performing arithmetic operations.
3. What is the difference between text files having fixed width format and delimited format?
4. Explain -v and -c option of grep command.
5. Explain -n option of sed filter.
6. Explain use of ^ and \$ in grep command.
7. Differentiate: expr and bc command
8. State any 4 attributes displayed by -l option of ls command.

LONG QUESTIONS (>=3 Marks)

<u>UNIT 1</u>		Marks
1.	Write a note on Brief history of UNIX operating system.	[4]
2.	List and explain Strength and Weaknesses of UNIX like Operating System .	[5-6]
3.	Describe in detail: <ul style="list-style-type: none"> • Kernel & shells • Multiuser & multitasking • File system • Processes • Environment & environment variables • Command line • Online manual 	3 mark each
4.	Write a detail note on Modes of Operation of vi editor and also explain Context Switching between them.	[4-5]
5.	Explain Editing and Navigation of Text taking an appropriate example.	[4-5]
6.	Explain concept of CUT-COPY-PASTE in vi editor.	[4-5]
7.	Explain pattern searching and replacement utility of vi editor.	[4-5]
 <u>UNIT 2</u>		 Marks
1.	Write note on: Input / Output redirection	
2.	Write note on: Quoting and Escaping	[4-5]
3.	What is path? Explain Absolute and Relative path with example.	[4-5]
4.	Write note on: Command substitution	[4-5]
5.	Write note on: Command line argument	[4-5]
6.	Explain Command line processing.	[4-5]
7.		[4-6]
 <u>UNIT 3</u>		 Marks
1.	Explain case statement with example.	[3-4]
2.	Explain if and case statement in LINUX.	[6-7]
3.	Explain for loop in Linux with example.	[4-5]
4.	What is Shell script? Explain uses of Shell script and execution of shell script.	[4-5]
5.	Explain all control structures in details.	[10]
6.	Explain turning debugging on and off procedure in detail.	[4]
7.	Explain while loop in detail with example.	[4]
 <u>UNIT 4</u>		 Marks
1.	Explain method of processing data in text files for fixed-width format and delimited format in detail.	[10]
2.	Explain method of processing data in text files for fixed-width format in detail.	[4-5]
3.	Explain method of processing data in text files for delimited format in detail.	[4-5]
4.	Explain substitution facility of sed filter.	[3-4]
5.	Explain grep command with example.	[5-6]
6.	Write note on sed filter.	[5-6]
7.	Explain all attributes displayed by -l option of ls command.	[4]
8.	How to process the output of who command?	[3]