**Set-1**

1. What command is used to count the total number of lines, words, and characters contained in a

file? [ ]

a) countw b) wcount c) wc d) count p

2. What command is used to sort the lines of data in a file in alphabetical order? [ ]

a) sort – r b) st c) sh d) sort

3. Which command is used to clear the screen? [ ]

a) clear b) %clear c) %clrscr d) either a or c

4. In shell script $# tells [ ]

a) total number of parameters passed to the shell script

b) the first parameter passed to the shell script

c) last parameter to the shell script

d) none

5. If command checks [ ]

a) Exit status of a command b) value of a command

c) Checks condition true or false d) all

6. [ -n string ] checks for [ ]

a) True if length is zero b) true is length is greater than zero

c) True if the value is zero d) true if string is not null string

7. The first thing that is searched when a command references a file is its [ ]

a) i-node b) inode number c) permission setting d) none

8. Differences between system calls and library function [ ]

a) System calls are part of OS b) Library calls are adds-on

c) library functions invoke system calls d) all

9. What command is used to remove the directory? [ ]

a) rdir b) remove c) rd d) rmdir

10. Which character is used to match exactly one character? [ ]

a) | b) \* c) ^ d) ?

11. \_\_\_\_\_\_\_\_\_\_command is used to remove files

12. \_\_\_\_\_\_\_\_\_\_ command is used to search files for specified words or patterns.

13. Total number of positional parameters that can be passed in shell script are \_\_\_\_\_\_\_\_\_\_\_.

14. In the if statement value for success is\_\_\_\_\_\_\_\_\_\_\_\_\_.

15. Giving output of one command to another command is called as \_\_\_\_\_\_\_\_\_\_\_\_\_.

16. Process is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

17. File descriptors for standard output is \_\_\_\_\_\_\_\_\_\_\_\_\_.

18. The basic function of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is to search files for lines (or other units of text) that

contain a pattern.

19. \_\_\_\_\_\_\_\_\_\_\_command changes the group id of a file.

20. $mount displays \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**1 key**

**I Choose the correct alternative:**

1. C 2. D 3. A 4. A 5. A 6. B 7. B 8. D 9. D 10. D

**II Fill in the blanks**

11. rm 12. grep 13. $1-$9 14. 0 15. pipe 16. execution of program 17. 1 18. awk 19. chgrp

20. Displays all mounted file sytems

**set2**

1. Which of the following command is used to count number of lines in a file? [ ]

a) ln b) nl c) wc d) all

2. Which option of cut command is used to specify fields separator ? [ ]

a) – c b) – f c) – F d) – d

3. The grep command is used to [ ]

a) sorts the content of a file b) search a file for presence of a string

4. The PID of the login shell is stored in \_\_\_\_\_\_\_\_\_\_\_\_\_ variable. [ ]

a) $\* b) $# c) $@ d) $$

5. Which of the following is not a shell command? [ ]

a) get b) exit c) set d) test

6. The system identifies a file by its [ ]

a) name b) absolute path c) file owner d) i-node number

7. The default permission bits of a file when it is created for the first time, is controlled by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ value. [ ]

a) chmod b) fmask c) umask d) perm

8. Which of the following fields in the structure state, has information about the permission setting of a file? [ ]

a) st\_gid b) st\_mode c) st\_ino d) st\_uid

9. Which of the following feature is not supported by waitpid function? [ ]

a) It waits for one particular process b) It supports Job control

c) It provides a non-blocking d) It provides blocking

10. The signal that can’t be caught or ignored is [ ]

a) SIGKILL b) SIGINFO c) SIGQUIT d) SIGINT

**Cont…2**

**A**

**Code No: 55050 :2: Set No. 1**

**II Fill in the blanks:**

11. The command that is used to display the name of the operating system running on your machine is \_\_\_\_\_\_\_\_\_\_\_.

12. Symbolic link is also called as \_\_\_\_\_\_\_\_\_\_\_ link.

13. The \_\_\_\_\_\_\_\_\_\_\_\_ document is used to create menus in shell script.

14. BASH stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

15. The process that runs when a user logs in and terminates when logs out is a \_\_\_\_\_\_\_\_\_\_\_ process.

 16. The function that is used to change the properties of a file that is already open is \_\_\_\_\_\_\_. 17. A type of file that points to another file is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ file.

18. The function that is used to initiate a new program by existing process is \_\_\_\_\_\_\_\_\_\_.

19. The signal that is generated by the terminal driver when we type the terminal quit key is

\_\_\_\_\_\_\_\_\_\_\_.

20. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ function sends a signal to a process or a group of processes.

**2 key**

**LINUX PROGRAMMING**

**KEYS**

**I Choose the correct alternative:**

1 c 2 b 3 b 4 d 5 a 6 d 7 c 8 b 9 d 10 a

**II Fill in the blanks:** 11 uname 12 soft 13 here 14 Bourne Again Shell 15 shell

16 fcntl( ) 17 symbolic link 18 exec( ) 19 SIGQUIT 20 kill( )

**set3**

**I. Choose the correct alternative:**

1. The mkdir and rmdir commands work only in directories owned by the \_\_\_ [ ]

a) user b) group c)others d) both a&b

2. If no address is mentioned in the sed instruction, it applies to\_\_\_\_\_\_\_\_ [ ]

a) no line b) every line c) last line d) current line

3. The symbol \_\_\_\_\_\_\_\_ is usually reffered as a here document [ ]

a) << b) >> c) || d) ??

4. \_\_\_\_\_\_\_\_\_variables are inherited by any program including another shell [ ]

a) local b) global c) static d) environment

5. \_\_\_\_\_\_\_function set the file position to the beginning of the file. [ ]

a) ftell() b) fseek() c) fset() d) rewind()

6. which one is not a file handling system call [ ]

a) dup b) dup2 c) link d) fork

7. The \_\_\_\_\_\_\_\_\_function is used by a process to set the timer. [ ]

a) timer() b) clock() c) alarm() d) both a and b

8. A process remains a\_\_\_\_\_\_\_\_, until its parent accepts its return code via the wait() system call. [ ]

a) wait b) idle c) zombie d)system call

9. Abnormal termination is the default action of the fallowing signals. [ ]

a) SIGUSR1 b) SIGUSR2 c) SIGTERM d) all

10. \_\_\_\_\_\_\_ metacharacter gives a shell choice of any one character except those enclosed in the list. [ ]

a) [..] b) [!..] c) [?..] d)[\*..]

**Code No: 57046 :2: Set No. 1**

**II Fill in the Blanks:**

11. Linux was developed at\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

12. Syntax of awk\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

13. The \_\_\_\_\_\_\_\_\_command can remove a non-empty directory.

14. The \_\_\_\_\_command is used for interrupting a program.

15. The Bourne shell developed \_\_\_\_\_\_\_\_\_\_\_at the AT&T labs. 16. The \_\_\_\_\_\_\_\_\_contains all attributes of a file except the file name. 17. The range of file descriptors starts from 0 and ends at \_\_\_\_\_\_\_\_\_\_\_\_\_ 18. A \_\_\_\_\_\_\_\_\_\_\_is an instance of program under execution. 19. The \_\_\_\_\_\_\_system call used by a process to send a signal to itself. 20. \_\_\_\_\_\_function provides features to execute a command string internal to program.

**3 key**

1. a 2. b 3. a 4. d 5. d 6. d 7. c 8. c 9. d 10. b

**II Fill in the blanks:**

11. AT & T Bell laboratories 12. $ awk ’pattern{action}’ filename 13. rm 14. Trap 15. Steve Bourne 16. Inode 17. OPEN\_MAX 18. Process 19. Raise 20. System