

CM 1 (3rd Weekly Exam)

Points: 15/50

Time: 01:15:06

✗ **Incorrect** 0/1 Points

1. What is the output of this program?

1. #!/bin/bash
2. var1=10
3. \$var1=20
4. echo \$var1
5. exit 0

*

- ☐ program will print 20
- ☒ program will print 10
- ☐ program will print 10 & 20 ✓
- ☐ program will generate a warning message

✗ **Incorrect** 0/1 Points

2. With ____ first line of every shell script begins. *

- ☐ &
- ☐ !
- ☒ \$
- ☐ # ✓

✓ **Correct** 1/1 Points

3. Which of the following is used in an optical mouse? *

- ☐ Microwave
- ☒ Light Emitting Diode (LED) ✓
- ☐ Infrared light
- ☐ Sensor

✗ **Incorrect** 0/1 Points

4. Which of the following is system software? *

- ☐ Utilities
- ☒ Operating system
- ☐ All of the above ✓
- ☐ Compiler

✗ **Incorrect** 0/1 Points

5. The shell script is___ *

- ☒ File containing special symbols
- ☐ File containing a series of commands ✓
- ☐ group of commands
- ☐ group of functions

✗ **Incorrect** 0/1 Points

6. For reading data from the same file containing the script, _____allows us. *

- ☐ —
- ☒ !!
- ☐ << ✓
- ☐ >>

✓ **Correct** 1/1 Points

7. compression is the method which eliminates the data which is not noticeable and ___ compression does not eliminate the data which is not *

- ☐ None of these
- ☐ Lossy
- ☐ Lossless, lossy
- ☒ Lossy, lossless ✓

✓ **Correct** 1/1 Points

8. What is compression? *

- ☐ To minimize the time taken for a file to be downloaded
- ☒ To reduce the size of data to save space ✓
- ☐ To convert one file to another Answer
- ☐ To compress something by pressing it very hardly

✗ **Incorrect** 0/1 Points

9. Architectures of Linux Operating System *

- ☐ None of the above
- ☒ Shell utility ✓
- ☐ The Kernel ✓
- ☐ System Library ✓

✗ **Incorrect** 0/1 Points

10. By the operating system which one error will be handled from the following? *

- ☐ all of the mentioned ✓
- ☐ lack of paper in the printer
- ☒ connection failure in the network
- ☐ power failure

✗ **Incorrect** 0/1 Points

11. Which command is used to display the operating system name *

- ☐ wc
- ☐ uname ✓
- ☐ countw
- ☒ os

✗ **Incorrect** 0/1 Points

12. Identify the command which is used to remove files. *

- ☐ erase
- ☐ rm ✓
- ☒ delete
- ☐ dm

✗ **Incorrect** 0/1 Points

13. Which one of the following is not true? *

- ☐ kernel is the program that constitutes the central core of the operating system
- ☐ kernel remains in the memory during the entire computer session
- ☐ kernel is made of various modules which cannot be loaded in running operating system ✓
- ☒ kernel is the first part of the operating system to load into memory during booting

✓ **Correct** 1/1 Points

14. Which device converts human-understandable data and programs into a form that computers can understand and process? *

- ☐ All of the above
- ☐ Output
- ☒ Input ✓
- ☐ Monitor

✗ **Incorrect** 0/1 Points

15. How can you come out of the loop in this program?

```
1. #!/bin/bash
2. read x
3. while [ $x != "hello" ]
4. do
5. echo "Try to come out of the loop"
6. read x
7. done
8. echo "Welcome"
9. exit 0
```

*

- ☐ none of the mentioned
- ☒ by entering anything except "hello"
- ☐ it is not possible
- ☐ by entering "hello" ✓

✗ **Incorrect** 0/1 Points

16. What will be the output of \$date? *

- ☒ Current date
- ☐ Tomorrow date and time
- ☐ Current date and time ✓
- ☐ Yesterday date

✗ **Incorrect** 0/1 Points

17. Features of Linux: *

- ☐ It can be freely distributed or downloaded it ✓
- ☒ It is a multi-user operating system ✓
- ☐ It can be freely distributed or downloaded it ✓
- ☐ It can be freely distributed or downloaded it ✓

✓ **Correct** 1/1 Points

18. There are different types of keys which cannot work independently. Which one of the following keys cannot work independently? *

- ☐ Delete key
- ☐ Space bar key
- ☐ Enter key
- ☒ Alt key ✓

✗ **Incorrect** 0/1 Points

19. Wireless mouse communicates through *

- ☒ infrared wave
- ☐ Electromagnetic signal
- ☐ microwaves
- ☐ radiowaves ✓

✓ **Correct** 1/1 Points

20. What is an operating system?

*

- ☐ interface between the hardware and application programs
- ☐ system service provider to the application programs
- ☒ all of the mentioned ✓
- ☐ collection of programs that manages hardware resources

✗ **Incorrect** 0/1 Points

21. Advantages of keyboard

*

- ☒ Security ✓
- ☐ Typing Errors ✓
- ☐ Visual Representation ✓
- ☐ Cost

✗ **Incorrect** 0/1 Points

22. Why should we back up our data? *

- ☒ Cyberthreats ✓
- ☐ Data loss prevention ✓
- ☐ Tax reporting and audits ✓
- ☐ None of these

✗ **Incorrect** 0/1 Points

23. Which one of the following statement is true about variables in shell? *

- ☒ variables are case sensitive
- ☐ all of the mentioned ✓
- ☐ variables do not require declaration before assigning value to them
- ☐ to extract the contents of a variable, we have to provide the variable a preceding \$

✗ **Incorrect** 0/1 Points

24. Suppose $x = 10$, then what will be the value of $x\$x\$$? *

- ☐ undefined
- ☒ 100
- ☐ erroneous
- ☐ $x10\$$ ✓

✓ **Correct** 1/1 Points

25. After running this program, if you enter 1000, then what will be the output of the program?

```
1. #!/bin/bash
2.     echo "Please enter a number"
3.     read a
4.     if [ $a -lt 100 ]; then
5.         echo "It is less than 100";
6.     elif [ $a -lt 1000 ]; then
7.         echo "It is less than 1000"
8.     else
9.         echo "It is greater than 1000"
10.    fi
11.    exit 0
```

*

- ☐ It is equal to 1000
- ☒ It is greater than 1000 ✓
- ☐ None of the mentioned above
- ☐ It is less then 1000

✗ **Incorrect** 0/1 Points

26. Using which of the following command can hidden files be viewed? *

- ☐ ls -l
- ☒ ls -h
- ☐ ls -a ✓
- ☐ ls -k

27. Student Name *

ROSHNI VERMA

✗ **Incorrect** 0/1 Points

28. After running this program, as you press 's', what will be the output of the program?

1. #!/bin/bash
2. echo "press 's' to print Welcome"
3. read var
4. if \$var=w
5. then
6. echo "Welcome"
7. else
8. echo "You did not press w"
9. fi
10. exit 0

*

- ☐ You did not press w
- ☒ Welcome
- ☐ Program will generate an error message ✓
- ☐ None of the mentioned

✓ **Correct** 1/1 Points

29. Identify the OS which is not based on Linux. *

- ☒ BSD ✓
- ☐ Ubuntu
- ☐ Red Hat
- ☐ CentOS

✗ **Incorrect** 0/1 Points

30. do and the done keyword is used by which loop statements? *

- ☐ for and while ✓
- ☒ while
- ☐ case
- ☐ for

✓ **Correct** 1/1 Points

31. Linux Kernel was founded by *

- ☐ Richard Stallman
- ☐ Ben Thomas
- ☒ Linus Torvalds ✓
- ☐ Bill Gates

✓ **Correct** 1/1 Points

32. Which of the following is true of lossy and lossless compression techniques? *

- ☐ Both lossy and lossless compression techniques will result in some information being lost from the original file
- ☒ Lossy compression is best suited for situations where some loss of detail is tolerable, especially if it will not be detectable by a human ✓
- ☐ Lossless compression is only used in situations where lossy compression techniques can't be used
- ☐ Neither lossy nor lossless compression can actually reduce the number of bits needed to represent a file

✗ **Incorrect** 0/1 Points

33. Command 1 || Command 2 means *

- ☐ none of the above
- ☒ execute command 2 if command 1 is successful
- ☐ execute either command 1 or command 2 ✓
- ☐ execute command 2 if command 1 is unsuccessful

✓ **Correct** 1/1 Points

34. The user's general prompt sign of Borne shell is *

- ☒ \$ ✓
- ☐ >
- ☐ %
- ☐ #

✗ **Incorrect** 0/1 Points

35. Disadvantages of mouse *

- ☒ Mouse cannot enter text data into the computer ✓
- ☐ If the batteries are low they tend to lose their accuracy and speed. ✓
- ☐ Wireless mouse can sometimes face connectivity issues. ✓
- ☐ The wired mouse is delicate in nature and must be used carefully as it can be damaged easily ✓

✗ **Incorrect** 0/1 Points

36. Magnifier, Eraser, Fill color tools are available in MS Paint ? *

- ☐ color box
- ☒ Menu bar
- ☐ Toolbox ✓
- ☐ status bar

✓ **Correct** 1/1 Points

37. Which statement resumes the next iteration of a for, while, select, or untill loop? *

- ☒ continue ✓
- ☐ complete
- ☐ command
- ☐ break

✗ **Incorrect** 0/1 Points

38. What is the output of this program?

1. #!/bin/bash
2. a=2
3. b=4
4. let c=a**b
5. echo \$c
6. exit 0

*

- ☐ 16 ✓
- ☐ 32
- ☒ 8
- ☐ none of the mentioned

✗ **Incorrect** 0/1 Points

39. Which Linux command is used to go back from a folder to the folder before that?

*

- ☐ cd.. ✓
- ☐ chdir
- ☐ cd
- ☒ cd/

✗ **Incorrect** 0/1 Points

40. Functions of Keyboard *

- ☐ Specialty keys ✓
- ☒ Built-in functions ✓
- ☐ Boot sequence ✓
- ☐ Operation keystrokes ✓

✓ **Correct** 1/1 Points

41. The 'logout' built in command is used to *

- ☐ logoff of the computer
- ☐ logout the current user
- ☒ to exit the current shell ✓
- ☐ shutdown the computer

✗ **Incorrect** 0/1 Points

42. The use of tab key in the keyboard is

*

- ☐ to move the cursor down the screen
- ☒ to move a cursor across the screen
- ☐ to indent a paragraph
- ☐ Both a and c ✓

✓ **Correct** 1/1 Points

43. Which software is not an file compression utility ? *

- ☐ Win Zip
- ☐ 7-zip
- ☒ Compres ✓
- ☐ Win Rar

✗ **Incorrect** 0/1 Points

44. MS Paint file saved as _____ *

- ☒ .doc
- ☐ .xml
- ☐ .bmp ✓
- ☐ .html

✓ **Correct** 1/1 Points

45. Suppose storing an image made up of a square array of 256×256 pixels require 65,536 bytes. The image is compressed, and the compressed version requires 16,384 bytes. Then the compression ratio is_____. *

- ☐ 1:2
- ☐ 2:1
- ☐ 1:4
- ☒ 4:1 ✓

✗ **Incorrect** 0/1 Points

46. Which Linux command is used to display the content of a file? *

- ☐ show
- ☐ cat ✓
- ☒ echo
- ☐ display

✗ **Incorrect** 0/1 Points

47. After running this program, as your press 4, what will be the output of the program?

1. #!/bin/bash
2. echo "How many times you want to print 'Hello'"
3. read value
4. for ((i=0;i<\$value;i++))
5. do
6. echo "Hello";
7. done
8. exit 0

*

- ☐ 'Hello' will print 5 times
- ☒ Program will generate an error message
- ☐ 'Hello' will print 3 times
- ☐ 'Hello' will print 4 times ✓

✗ **Incorrect** 0/1 Points

48. Which is the Linux operating system? *

- ☐ None of these
- ☐ Open-source operating system ✓
- ☒ Windows operating system
- ☐ Private operating system

✗ **Incorrect** 0/1 Points

49. Types of shell commands *

- ☒ The C Shell ✓
- ☐ The Bourne Shell ✓
- ☐ GNU Bourne-Again Shell ✓
- ☐ The Korn Shell ✓

✗ **Incorrect** 0/1 Points

50. Assume output of date command is 'wed sep 26 12:28:05 PST 1999'. The command to get output as date and time : wed sep 26 12:28:05 PST 1999 is *

- ☒ echo "Date and Time : \$ date"
- ☐ echo "Date & Time 'date'"
- ☐ echo "Date and Time 'date'" ✓
- ☐ none of these

✗ **Incorrect** 0/1 Points

51. In the shell, by default, all variables are considered and stored as *

- ☐ character
- ☐ string ✓
- ☒ integer
- ☐ float

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