Model: A **Total Number of Pages: 4** Name: ID: Answer the following 3 questions. (Total Mark: 60) Question 1 (True / False) 20 Points 1. `pwd` is used to list directory contents. () 2. An Archive file is a collection of files and directories that are stored in one file.) 3. Everything besides the kernel is a package in **Linux**. () 4. "OsC_Linux" is considered a WORD in vim.) 5. **`SIGKILL**` is used to request a process to terminate gracefully.) 6. `sudo apt update` is used to upgrade all packages on a system.) 7. Moving a **Hard link** across file systems could corrupt the link.) 8. Only root user and users with sudo privileges can use the 'passwd' command.) 9. In regex, the symbol * matches the previous character zero or more times. () 10. The regex [A-Z]+ matches zero or more consecutive uppercase letters in a string. (20 Points Question 2 (Choose the correct answer) Which of the following is/are considered contents of packages metadata? a) version b) dependencies c) signatures d) All the previous 2. "<h1> Vim is amazing </h1>". What is the best way to make the inner text uppercase? a) cit b) gUit c) gui< d) gua>

Subject: Linux Summer Training 2023

Total Duration: 1 hour and 30 minutes

3. Which of the following paths is an example of an absolute path in Linux?				
a) /home/user/docume	ents b) documents/	c)/files	d) ./files	
4. Zack wants to run `firefox` in the background. How could he accomplish that ?				
a) firefox >	b) jobs firefox	c) firefox ^	d) firefox &	
5. Which of the following is/are example(s) of a Daemon (background) process ?				
a) Network Manager	b) Firefox	c) File Manager	d) All the previous	
6. Zack wants to redirect stdout and stderr of a program to a file. Which redirection should he use ?				
a) >> file 2>&1	b) &<< file	c) &>> file	d) A and C	
7. You work as a Linux system administrator. You are tasked with finding the UID and GIDs of the user 'thomas' . What should you do ?				
a) id	b) ps thomas	c) users thomas	d) id thomas	
8. Kevin is looking for his backup file, but all he could remember is the file size '512 byte'. Can you help him track it down?				
a) locate -size 512 by	te b) findsize 512	ct) findsize 51	12c d) findsize 512b	
9. John wants to count the number of words in a file. How can you make John's life easier?				
a) cat file.txt wc -l	b) cat file.txt > wc -c	c) Is file.txt wc -w	d) cat file.txt wc -w	
10. The pattern "a.b+c" will match:				
a) ac	b) abc	c) abbc	d) abbbd	

Question 3 20 Points

```
1. What does this block of commands do (if num is equal to 1)?
                                                                                 (5 Points)
while [[ $num -lt 11 ]]
    if [[ num -eq 3 ]]
    then
         let num+=1
         continue
    elif [[ num -eq 10 ]]
    then
          break
    fi
    echo $num
    let num+=1
done
a) Output: 1 \rightarrow 11
b) Output: 1 \rightarrow 9
c) Output: 1 \rightarrow 11 excluding 3 & 10
d) Output: 1 \rightarrow 9 excluding 3
```

```
2. What does this script do?

function hello
{
   for i in $(seq 1 $1)
    do
        echo "Hello $i!"
   done
}

echo "Enter a number: "
read num
hello $num

a) Prints a series of "Hello" with an increasing number from 1 to num
b) Prints "Hello $i!" num times
c) Error
d) Infinity loop and nothing is printed
```

3. Given this output. Answer the following questions.	(10 Points)
-rwx-wxx 1 osc osc 0 Aug 21 15:33 myFile	
1. What are the user permissions ?	(2 Points)
2. What are the group permissions ?	(2 Points)
3. Who is the owner of the file ?	(2 Points)
4. Write the command to make people who aren't the user or people in his to read and execute the file, other owners will stay the same. (use symbolic in the same of the same) of the same of the	
5. If we have another user called 'penguin'. How can we give 'penguin' own this file?	ership of (2 Points)

