Concepts of operating system

Assignment -2

PART A

What will the following commands do?

Ans-① echo prints "Hello, World!," to the main Terminal

Ans-② It will assigns the string "productive" to the variable name.

Ans-③ It will creates an empty file named file.txt

Ans-④ Lists all files, including hidden ones.

Ans-⑤ rm file.txt - Deletes file.txt.

Ans-⑥ cp file1.txt file2.txt - will copies file1.txt to files2.txt.

Ans-⑦ It will moves file.txt to the specified directory.

Ans-⑧ Grants full permissions to the owner and read-execute permission to others.

Ans-⑨ grep "pattern" file.txt . will searches for "Pattern" in file.txt.

Ans-⑩ kill PID - Terminates a process with the given PID.

Ans ⑪ It will creates a directory, moves into it, creates a file, write "Hello world !" to it

and displays its content.

Ans-⑫ Lists all .txt files in the directory

Ans-⑬ concatenates two files, sorts them, and remove duplicates.

Ans-⑭ Lists only directories.

Ans-⑮ It searches recursively for "pattern" in all files.

Ans-⑯ Shows duplicate lines from both files.

Ans-⑰ Sets files permissions owner can read/write others can only read.

Ans-⑱ It will copies a directory and its contents.

Ans-⑲ finds all .txt files in the given path.

Ans-⑳ Grants execute permission to the file owner

Ans-㉑ It Displays system paths for executable files.

Part B
Identify True or False

Ans-① True

Ans-② True

Ans- ③ False
Ans -④ True
Ans-⑤ True
Ans-⑥ True
Ans-⑦ True
Ans-⑧ True

Incorrect commands
Ans-① False chmodx does not exist. we have to use chmod.
Ans-② False cpy does not exist. we have to use cp.
Ans-③ False mkfile does not exist. we will have to use touch.
Ans-④ False catx does not exist.. we will use cat
Ans-⑤ False rn does not exist. we use mv for renaming

PART C

Ans-① ~~date~~ echo "Hello, world".

Ans-② name = "CDAC Mumbai"
echo $name

Ans-③ read -p " Enter a number : " num
echo "you entered : $num"

Ans-④ num 1=5
num 2=3

```
sum = $ ((num1 + num2))
echo "sum : $sum"
```

Ans ⑤
```
read -p "Enter a number :" num
if ((num % 2 == 0)); then
      echo "Even"
else
      echo "odd"
fi
```