NAME N	Maruma Fernamalus Ecu No: 3669 CURS: SEIT OS ASSIGNMENT 2
91] Exp	lain the networking commands FTP, TFTP and religion.
→ §	Description It is the user interface to the Intermet standard tile Transfer Protocol The program allows a user to transfer files to and from a semale motwork site
->	options - a : active made transfer
	P passive mode transfer
	- verbose option to show all requests on semale server
朱 -	TFTP:
I	Pescription It is a client for the Trivial file Transfer Protocol, which can be used to transfer files to and from semale machines, including some very
	minimalistic, usually embedded systems
=>	options: - 4 connect with 1PV4 only
	-6 Connect with IPv 6 only
	-R part part Force originating part number to
	in their given hange
7.0	- V: Print version number.
	- V Verbase mode

```
* rlegin
```

=> Pescription: It is used to start a terminal session on a remote host. It will be replaced by telned in near future

=> Options -8 Allow 8- bil input data path

-E It stops any character from being recognised as an escape character. When used with the -8 option, this provides a completely transparent connection.

(2)

#rs: #! /usr/bin/awk - f

BEGIN {

take imput constraint

printf "Enter lower end of range:"

getline low < "-"

printf "Enter higher end of range:"

getline high < "-"

print ""

\$ 47 low 28 \$ 5 < high { print }

regent for chamber

/ chamber / Chamber / f grant 3

heplau science with Science {qsub C/science {, "science")}
sum of marks
\$6 = \$4 + \$5 {quint}

```
R.3
Ans: #! usr/bin/awk - b
    BEOIN & count = 03
   # electronics codes only
    if C$ 5 = = " dectronics" ) & print $13
    # range 5000 - 10000
     $ 3 < 10000 && $3 > 5000 { print }
   # count electronics
     $5 = = "electronics" { count += 13
   # 3rd record only
     14 (NR = = 3) { print 3
   # quantity <10
    $4 < 10 { print 3
    END &
     print count
047
Ams: (a) greep kurla oubc.txt

(b) greep -c kurla oubc.txt
  (c) grep - m kurla abortat
```

\$1.5] write a shell script to point the specified earnge of time lines from a given file

Ans: #!/bin/sh

ourk 'BEOIN & grunty "Lower", getwine low 2"-";

prunty "twyner:"; getline high <"-";

print "" 3

NR < high 28 NR > low & print NR " "\$0] abo txt

Ob white a shell script to sort the file contents in descending order

Ans: #! /bin/sh sort - 4 filename txt> temp txt 28 ms temp txt filename txt

QT] write a shell sownt that displays that login names
of all users who have logged in

Ans: #! / bin / sh
echo " currently logged in users are "
who

sed (" stream editor") is a unix whilely that parses and transforms text, using a simple, compact programming language

8.8] Explain the following commands of sed with.
(a) To substitute string SI and S2
Ans sed's/old-word/new-word/g'fixe.txt > out.txt
there indicates substitute function. The substitute
function will look for occurences of steering old-wor
in filename. txt and replace them with strung
"new word". The g utility tells sed to replace
all occurrences on each line without g, only the
1st occurence on a line will be replaced. Then
the output will be saved in output text.
- Ara tayuu ta
(b) write an address like to another file
Ans: sed - n '3 \$'abc txt > out tx
Here -n is the address utility used to address a
entry at time of a wholen till. In the winder
certain partion of a given file. In the given
command, sed will output lines starting from the
3rd line in abe the upon the ord arriaced by
\$ to out tat file

Ans sed '35/old-word/new-word/g' file txt.

Here is indicates substitute function. The substitute function will look for occurrences of string old-word in filename txt only on line number 3 as mentioned just before is and replace them with string "new-word" since g or global tells sed to replace all occurrences on that line then the output will be saved in output txt.