



Q-4 (a) Write command using sed or grep for the following-

10

1. Display two lines starting from 7th line of file X1.
2. Display all blank lines between line 20 and 30 of file X1.
3. Display lines beginning either with alphabet or digit from file X1.
4. Display the lines that do not contain "Unix".
5. Display the lines which are not starting with 2 at the beginning.
6. Write a command to replace 'UNIX OS' on line no 5th to 10th.
7. Write a command to display all file name containing only digits in a filename.
8. To list file names consist of only 4 digits.
9. To display lines beginning with alphabets of a file x1.
10. To count number of words in line 40 through 60 of file f1.txt.

(b) Explain following commands: (Any two)

4

1. umask
2. bc
3. touch

Q-5 (a) Answer the following using AWK utility: (Any two)

6

1. Explain system variables.
2. Explain Hash Arrays.
3. Explain any four built-in functions.

(b) Write a command using awk utility :

8

1. Print odd numbers of words in each line
2. Count occurrences of pattern 'unix' in file f1.
3. Display those words whose length greater than 8 characters and consist of alphabet only.
4. Print lines which end with 5,6,7, from file f1.
5. Write a script to print 1 to 10 nos.
6. Write a command to print those lines where field2 is computer field 3 > 15000 from sales file.
7. Print lines no 18 to 30 from file f1.txt.
8. Count the total no. of lines in a file.