

C. K. Pithawala College of Engineering & Technology – Surat.

B.E.: 1st Year (1ST- SEM.) Branch: MECHANICAL Year: 2018

Division: B

ACTIVE LEARNING GROUP

Subject: Computer Programming and Utilization

Subject Code: 2110003

Open Ended Problems

1. Write a program to read n*n matrix. Display Original matrix as well as its Transpose matrix.
2. Write a program to convert a given decimal number into binary equivalent number using user defined function.
3. Write Program to Generate Pascal Triangle.
4. Write a program to input and print details of students using array of pointers to structure.
5. Write a program to Find All Possible Subsets of entered Length in String.
6. Write a program to delete a specific Line from a Text File.
7. Write a Program to remove all Characters in Second String which are present in First String.
8. Write a program to check whether a number is 'Magic' number or not.
9. A number is a 'Magic' number if the sum of the digits of the number is equal to 0 or 1. E.g., No.=451, Sum of the digits=4+5+1=10=1+0=1, hence magic no.
10. Write a Program to Check whether two Strings are Anagrams.
11. The strings are said to be anagrams of each other if the letters from one sting can be rearranged to form the other string i.e., two strings are anagrams if all characters in both strings occur same number of times.
12. Write a program to capitalize First Letter of every Word in a File.
13. Write a program to Find Union & Intersection of 2 Arrays.

Compulsory Problem for all

Write a c program that generates the next largest number by shuffling the digits of the input number. E.g., by inputting 2323, gives as output 2332. i.e., the new number should be greater than the entered number but should have the same digits.