## Lab evaluation 1

## Question 1: 10 marks,

## Question 2: 5 marks

## Odd Machine Question:

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(Q1) Given two linked lists(can be sorted or unsorted) of size n1 and n2 of distinct elements. Given a value x. The problem is to count all pairs from both lists whose sum is equal to the given value x.

Input : list1 = 3->1->5->7

list2 = 8->2->5->3

x = 10

Output : 2

The pairs are:

(5, 5) and (7, 3)

(Q2) Consider the following STRUCTURE details of Flights, where user will input required number of nodes.

(a) Flight No

(b) Source

(c) Destination

Write program to create a n-noded singly linked list program to display the information of all Flights, leaving from airport “DEL”.

## Even Machine Question:

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(Q1) Given two linked lists(can be sorted or unsorted) of size n1 and n2 of distinct elements. Given a value x. The problem is to count all pairs from both lists whose multiplication is equal to the given value x.

Input : list1 = 3->1->5->7

list2 = 8->2->5->10

x = 10

Output : 2

The pairs are:

(2, 5) and (10, 1)

(Q2) Consider the following STRUCTURE details of Medicines, where user will input required number of nodes.

(a) medicine\_name

(b) Disease\_treated

(c) medicine\_cost

Write program to create a n-noded singly linked list program to display all the details of medicines use to treat fever.