## CSE321 Quiz 3

Marks:10 Time: 20 min

ID: Name: Section:	
--------------------	--

1. In a system with 64 bytes physical memory and page size of 4 bytes, page table of a process is given below:

Page	Frame
P0	4
P1	8
P2	13
P3	2
P4	9

Calculate the physical address for the logical addresses: 9, 2, 35, 10, 16.

[5]

2. Given the following sequence of memory accesses: **1, 2, 3, 4, 1, 2, 5, 1, 2, 3, 4, 5**, and a system with **3** page frames, simulate the behavior of the LRU and Optimal page replacement algorithm. Calculate the hit ratio and page fault ratio for each algorithm. **[5]** 

## 2. LRU



