Dhaka University of Engineering & Technology, Gazipur

Department of Computer Science and Engineering

Course Title: Operating System Sessional

Course Code: CSE 3222

Lab 04: Implementation of Page Replacement Algorithms

Consider the following page reference string:

1, 2, 3, 4, 2, 1, 5, 6, 2, 1, 2, 3, 7, 6, 3, 2, 1, 2, 3, 6.

How many page faults would occur for the following replacement algorithms, assuming three, four, five, six, and seven frames? Remember that all frames are initially empty, so your first unique pages will cost one fault each.

Task 01: Write a program to apply LRU replacement Algorithm.

Task 02: Write a program to apply FIFO replacement Algorithm.

Task 03: Write a program to apply Optimal replacement Algorithm.

Output: Show the output like the below forms.

Farame No.	No of Faults
3	?
4	?
5	?
6	?
7	?