

Indian Institute of Engineering Science and Technology, Shibpur.

IT Department , Session 2017 July

OPERATING SYSTEM LABRATORY

Assignment 5(Shared Memory)

Last Date of Submission: 06.09.2017

1. Implement Producer Consumer problem using Peterson's algorithm for two process critical section, with the help of shared memory.

SHM1 - Stores flag

SHM2 - Stores turn

SHM3 - is the buffer where the produced item is placed.

Producer will produces an item and wait for random period of time before producing the next item. Consumer also waits for random period of time before consuming the next item. A visual output of buffer will be appreciated.