**Practical No. 5 (Batch B4)**

**Study and implementation of Blocking and Non-Blocking send and receive, Reduce and Broadcast MPI functions**

Q1. Implement blocking and non-blocking MPI send & receive to demonstrate Nearest neighbour exchange of data in a ring topology.

Q2: Implement a MPI program to give an example of non-blocking send and receive between four processes.

Q3. Write a MPI program to find the product of all the elements of an array A of size n using m

number of processes. The two sums then are added to get the final result.