**Assignment -3**

Q.1) Solve the following 0/1 Knapsack problem using dynamic programming P= (11, 21, 31, 33), W= (2, 11, 22, 15), C=40, n=4.

Q.2 Write an algorithm for all pairs shortest path. Explain with an example.

Q.3 (a) Dynamic Programming vs. Divide and Conquer

(b) Dynamic Programming vs. Greedy method