

**Exam – 1**

**Date:** 14/09/2021

**Time:** 120 minutes

**Marks:** 20

**Questions –** You have **N** items. Every item has fixed weight  $w_i$  and price  $p_i$ . You can take maximum **W** weights. Find out the way to take items, so that you can get maximum profit. You should take the input from input file via file reading and output your result to a file.

**Sample Input:**

3 (N) 3 (W)

2 10

1 4

2 20

## Sample Output:

Profit: 25

Item – 3: 2 = 20

Item – 1: 1 = 5