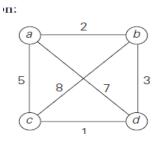
ASSIGNMENT: Analysis and Design of Algorithms

Submission date: Monday 4th by 1pm. Penalty for late submission

Question 1

- a. Solve the following instance of traveling salesman problem using
 - i. Branch and Bound
 - ii. Dynamic programming



- b. The following represents sum of subset problem: $W_1 = \{1,3,4,5\}$ and M = 11. Apply backtracking to solve an instance of stated problem.
- c. What is the complexity category for the following functions?