

CS 141
Quiz 3

Surname, Name:Student ID:.....

Questions

- 1) Write pseudocode for **edge relaxation** used in Single-Source Shortest path algorithms. (20 pts)
- 2) Using the graph below show the execution of Dijkstra's algorithm. Either you can draw the graph for each step or you can explain each step in writing. **Hint:** Here "step" means adding a node to the cloud. (40 pts)
- 3) Using the graph below show the execution of Prim-Jarnik algorithm. Either you can draw the graph for each step or you can explain each step in writing. **Hint:** Here "step" means adding a node to the cloud. (40 pts)

