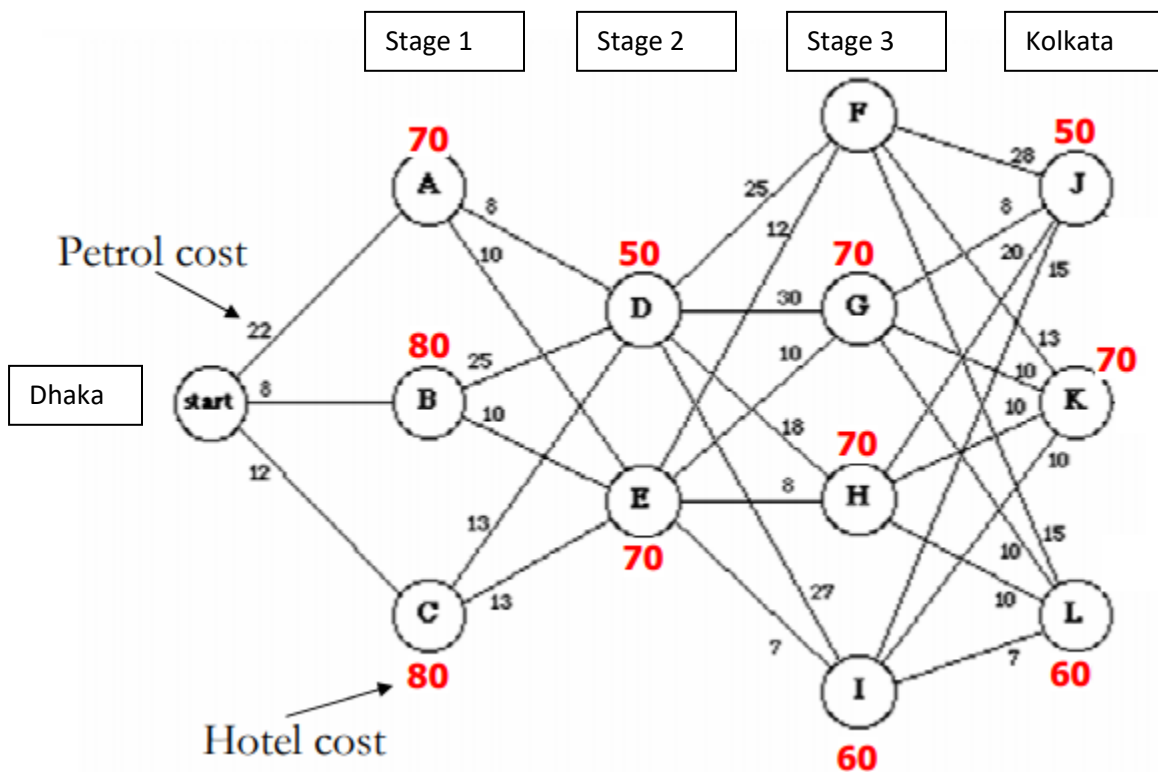# CSE 464

Offline 3

Deadline: 9/12/18, Time:11:55pm

Travelling from home in Dhaka to hotel in Kolkata.

– There are stopovers on the way (three stages here)

-   a number of choices of towns at each stage to stop,
-   a number of hotels to choose from in each city.
-   Each trip has a different distance resulting in a different cost (petrol).
-   Hotels have different costs.

The goal is to select a route to and a hotel in Kolkata so that the overall cost of the trip is minimized.

Input: The graph above in convenient way (Number of stages, stops at each stage, cost of hotels, cost of fuels etc). Create few other sample instances to demonstrate your algorithm.

Output: The optimized route and cost.

Report: Pseudo-code, complexity analysis.