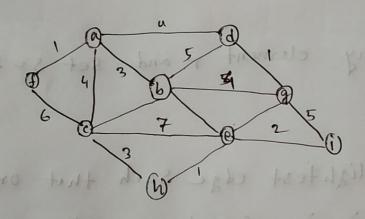
MD. Shakil Hossain_ Roll - 2023 ICT - 2101 - Data Structure Date - 18.02.21

Answer to the question no - 1

Applying Kunskal's and Prim's algorithm to find the mst



Below are the Steps for finding most using Kurskal's algorithm.

- 1. Somt all the edges in non-decreasing order of their weight
- 2. Pick the Sandlest edge. Check if it forms q Cycle with the Spanning tree formes so fan.

if cycle is not formed melude this edge.

Else diseant it.

3. Reapeart Step2 untill there are (v-1) edges in the spanning tree.

Prim's algorithm

- 1. charge any element r and set s = 2m and A = 0.
- 2. Find a lightest edge such that one endpoint is in S and the other is in Ms. Add this edge to A and its endpoint to S.
- 3. if V/s = 0 then stop and output the minimum span ning thee (s, A) Otherwise go to spet 1.