## WIGNIMENT:-06

MINIMUM SPANNING TREE: It is a subsect of the edges of a connected edge-coeighted undirected graph that connects all the vortices together, without any cyclis and with The minimum possible total edge useight a

Application:

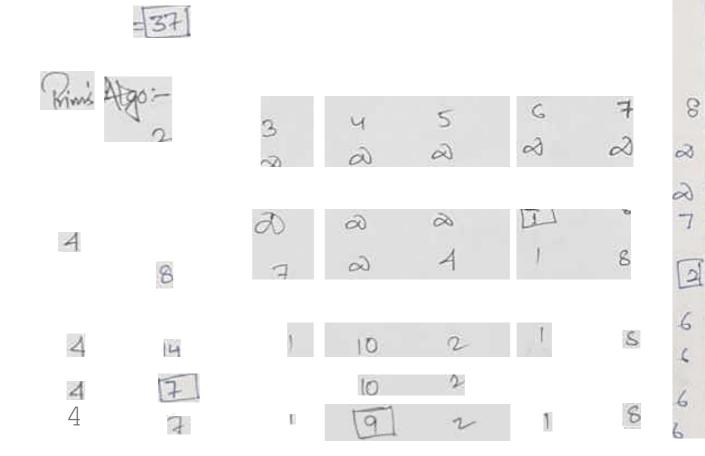
· Consider in stations are to be linked using a communication ratioark, and bying of communication link blo any 2 stations involves a cost; sowe use MST for a better output.

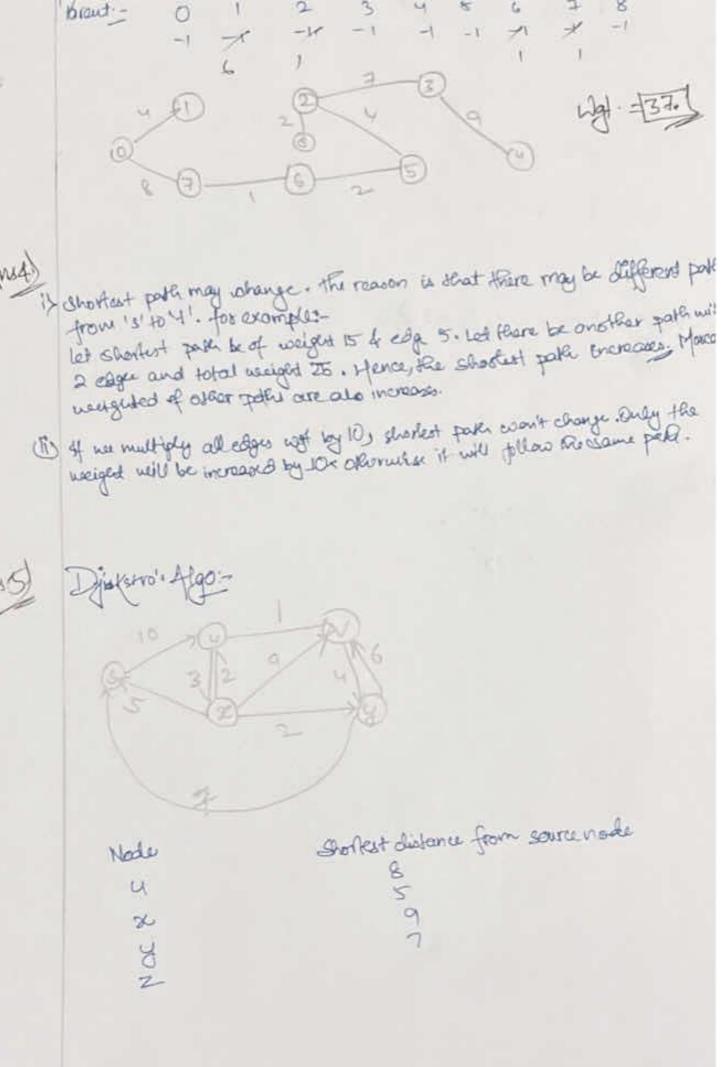
· come goes with vooderays & highways & airline.

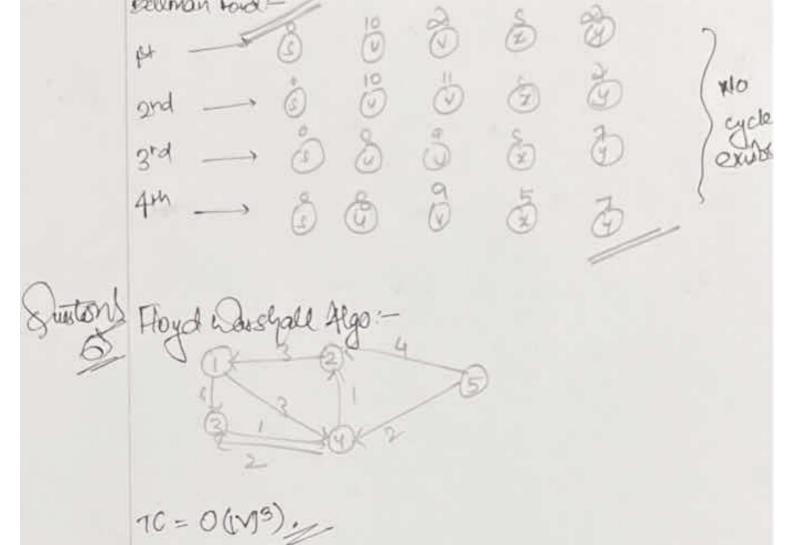
· Deagn UM

Laying Pipeline connecting officers drilling etter, extineries of morkets.

Aus 2)	Algorian	Time Complexity	Complexity
	Primi Algorithm  Djekstrois Algorithm  Kruskall Algorithm  BellMan Ford	0 (V+E) 0 (V+E) 0 (E(LOgV)) 0 (VE)	0(v) 0(v) 0(v) 0(v)







SC = O(1/2)