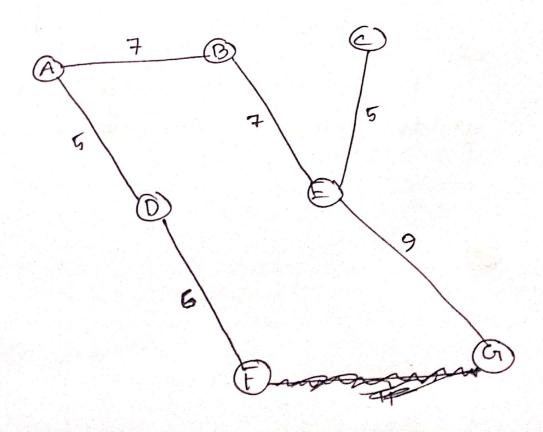
Roll - 17050 45 Name - 1 Stekhan Hakim Kaowsan

	Using Dijkstra		Connect	
AAO	Path	Dist	Path	Dis
Ъ	A-B	2	AB	2
	A-C	7	· A c	7-
D	A -B-D	4	ACEGD	3
E	A-C-E	9	ACE	9
	ABOF	6	ACEMPA	5
F	ACEG	2	ACE G	2
01				

of we remove edge (E,G,-7), Dijkstra yeilds correct answer.

2	Time	Graph type
1	O(ElogV)	No negative edge
2	O(NE)	All/Detects negative edge
3	0 (E 10gV)	AU
4	Q(v2) O(v2)	No negative edge
5	O(NHE)	weights only 1
46	O(VElogV)	AU
1		





Tun Kruskal's algorithm on this graph, There are not multiple MST. Because, when we get multiple MST when running on kruskal if we get different ordening of adges 'sording by weights. But here are some edges with same weights. Herre in this graph, eig either all (those connectable) weight are picked. edges n with same weight are picked. (A,D,5), (C,E,5), picked; (D,F,6) (A,B,7), (B,E,7) both picked.) (Bidis) picked Note + (E, G,9) picked. Note that (B,D,9) are not picked.