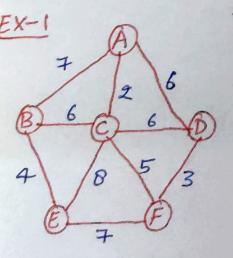
PRIMS ALMORITHM: Like Kryskal's algorithm, Prim's algorithm is a special case of the generic minimum-spanning-tree method. Psim's algorithm operates much like Dijkstso's algorithm for binding shortest paths in a graph. Prim's algorithm has the property that the edges in the set A always form a single tree.

MST-PRIM(61,W,8)

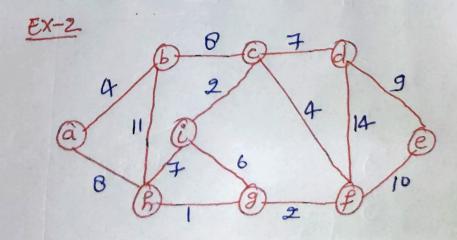
1. Fox each ue GIV 2 . u. Key = 00 U. TT = NIL 4. 8. Key = 0 5. Q= G.V 6. while Q = \$ U= Extract -MIN(9) 8. For each LE G. Adj[u] 9. if veg and w(u,v) < v. Key 10.

VOTT = U

v. key = w(u, v)



110



Solution Ex-1

