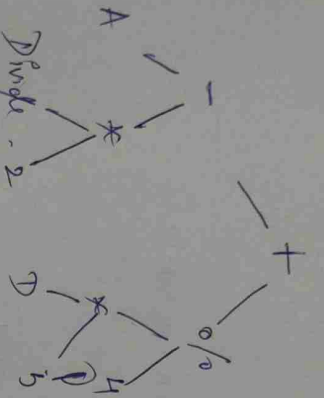


Inorder (Left, Root, Right).



Inorder :- (Left, Root, Right) :-

:- C / 5 * A - 2 * D o/o 5 + 4

Preorder :- (Root, Left, Right) :-

+ - A * / C 5 2 o/o * D 5 4

PostOrder :- (Left, Right, Root) :-

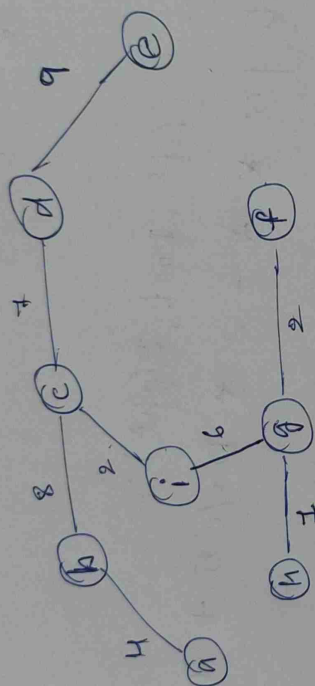
C 5 / A - 2 D 5 * o/o 4 +

2) Kruskal's algorithm:-

Algorithm:-

- * sort all edges in increasing order
- * Pick incident edge & check if it forms a cycle
- * Repeat above steps

Edge $(h, g) \rightarrow 1$
 Edge $(g, f) \rightarrow 2$
 Edge $(i, c) \rightarrow 4$
 Edge $(a, b) \rightarrow 4$
 Edge $(i, g) \rightarrow 6$
 Edge $(b, c) \rightarrow 8$
 Edge $(a, h) \rightarrow 8$
 Edge $(i, f) \rightarrow 7$
 Edge $(c, d) \rightarrow 7$
 Edge $(e, f) \rightarrow 10$
 Edge $(a, i) \rightarrow 11$
 Edge $(d, e) \rightarrow 14$



the minimum spanning tree includes $V-1$, for the q vertices.

$q-1 \geq 8$ edges.

Edges:- $(h, g), (g, f), (i, c), (a, b), (i, g), (c, d), (b, c), (d, e)$.

total weight of minimum spanning tree is the sum of selected edges :- $1 + 2 + 4 + 4 + 6 + 7 + 8 + 9 = 39$.