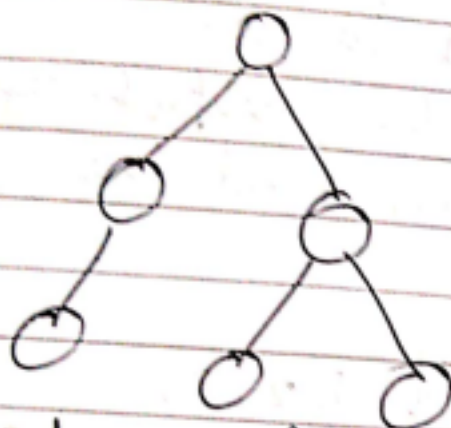
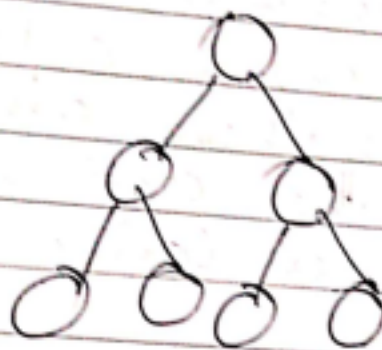


## Binary tree :-

- A rooted tree is called a binary rooted tree. If the outdegree of each vertex is either 0, 1 or 2, i.e. each vertex or node has almost 2 children.
- If the outdegree of each vertex is 2, called a Complete binary tree.



Binary tree



Complete binary tree

Application of binary rooted tree (Expression tree)

$$((7-a)/5) * ((a+b)^3)$$

$$(7-a)/5 * (a+b)^3$$

$$a=5 / a+b+3 \uparrow *$$

