

## • TREE

Any node in binary tree has either 0, 1 or 2 child

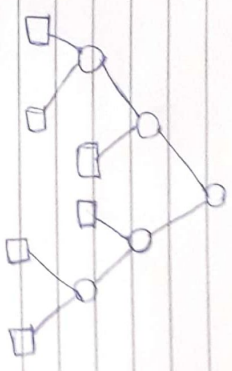
Complete binary  $\rightarrow$  At most 2 children

$\rightarrow$  The tree is said to be complete if all its level except possibly the last has the max no. of possible node

Date / /  
 Page No.

→ All node at last level appears as far left as possible.  
 $D_n = \lceil \log_2 n + 1 \rceil$  [∴ depth of nodes n]

- Extended Binary Tree / 2-Tree.  
Each node have 0 or 2 node.



□ → External node  
 (zero child)  
 ○ → Internal node  
 (two child)

### TREE USING LINKLIST

