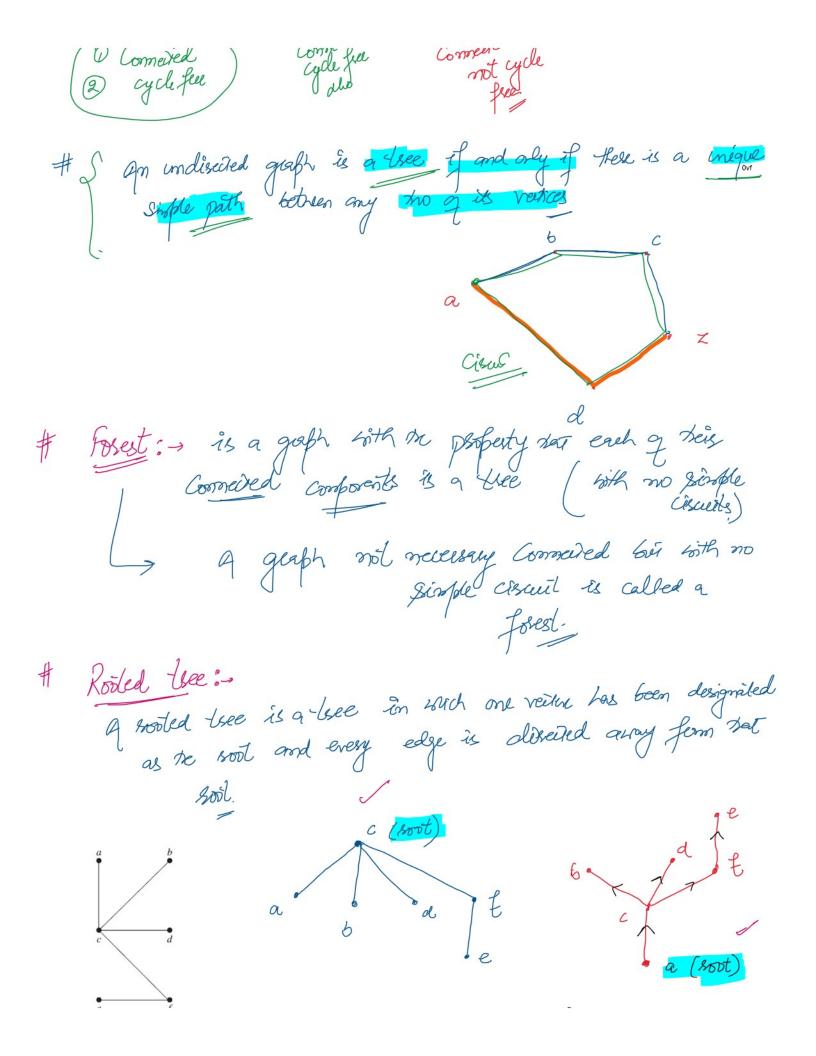
Tree Geaph T24 G2 21 April 2022 21 April 2022 11:05 A tree is a Connected indirected graph with no single circuits. a graph whoch is commeined and cycle free a tree graph. is called No Cisual os cycle eg () Conneiled and cycle feel Tree graph Not a bee good 2 d Not Connected G_4 Corrected bow not cycle



a (soot)

Every -lsee is a soviled-lsee (by choosing any veiler as the soot). Deth 3 0 Boot) is the unique verden u such that Here is a diserred edge for u to u.

e.g. a is to parent 96, fed Child: When U is the pasent of the trans.

Vis Called Child of U. eg the children q g are h, i, ad j 3 Sibling: - vertices with the gare presents. (4) Ancestors: eg 6, fad gan sibling The ancestors of a veiler (one han coot) are de vertices in de gath from sout to the verter (except de verter itself) eg. The ancestors of on an J, g and a (5) Des cendents: -, The destendants of a voiter is an soft yourses that have re as an ancestor e.g. The descendants of 6 au 6, d ad e. deat: - vertices with no children Internal veetices :- veetices with children Level q a veitex: The legth q to path from soot to be

Debth Height 2 to teel

Maximum Level 2 to veision in the graph