

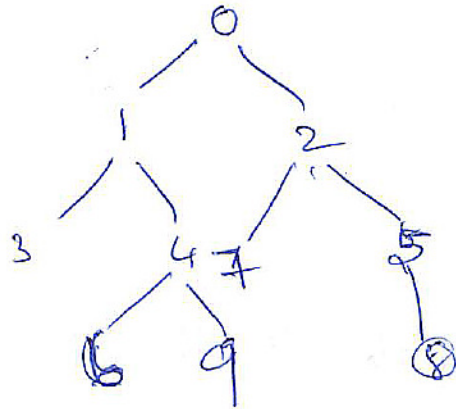
Student Name: _____

J#: _____

Q2-13 pts) Given the inorder and postorder traversal of the vertices in a binary tree, construct the binary tree. Write down the preorder traversal of the vertices of the constructed binary tree.

Postorder: 3, 6, 9, 4, 1, 7, 8, 5, 2, 0

Inorder: 3, 1, 6, 4, 9, 0, 7, 2, 5, 8



Pre order: 0 1 3 4 6 9 2 7 5 8

CSC 228 Data Structures and Algorithms, Fall 2017

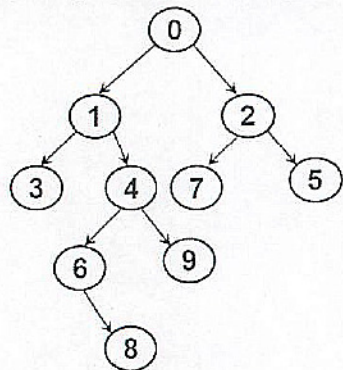
Instructor: Dr. Natarajan Meghanathan

Quiz 5 (Oct. 23, 2017)

Max. Points: 25

Max. Time: 15 min.

Q1-12 pts) Given a binary tree, write down the preorder, inorder and postorder traversal of the vertices.



Pre order 0 1 3 4 6 8 9 2 7 5
Post order 3 8 6 9 4 1 7 5 2 0
In order 3 1 6 8 4 9 0 7 2 5