

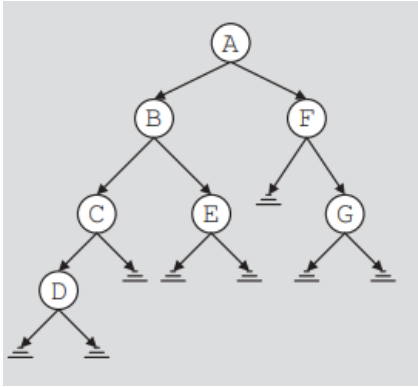
International Islamic University Islamabad, Pakistan

Mid Term: Data Structures and Algorithms

Instructor : Dr. Syed Musharaf Ali

18 June, 2021

Total Marks = 60

		Marks
Q 1	<p>a) Evaluate the following postfix expression</p> $70 \ 14 \ 4 \ 5 \ 15 \ 3 \ / \ * \ - \ - \ / \ 6 \ +$ <p>b) Convert the following infix expressions to postfix notation</p> $A - (B + C) * D + E / F$	10 + 10
Q 2	<p>a) List the nodes of the following binary tree in an inorder sequence.</p>  <p>b) Draw the binary tree from the given inorder sequence</p> <p>inorder: CEDFBAHJIKGML</p>	10 + 10

Q 3

List the nodes of the given graph in a breadth-first topological ordering. Source node is 0

20

