

Adam Wafi Bin Azuar

A20200003

Section 03

24 January 2021

Question 1

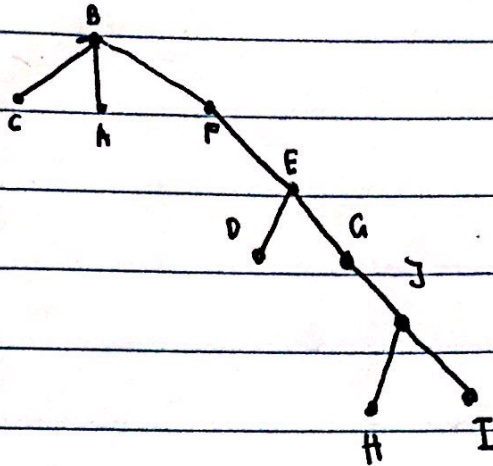
Incidence matrix is

$$= \begin{matrix} & e_1 & e_2 & e_3 & e_4 & e_5 & e_6 & e_7 \\ \begin{matrix} A \\ B \\ C \\ D \\ E \\ F \end{matrix} & \begin{bmatrix} 1 & 1 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 0 \\ 0 & 1 & 1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 & 0 & 0 & 0 \end{bmatrix} \end{matrix}$$

Question 2

Question 2

d)



b) height = 5

c) internal = {F, E, G, J}

d) leaves = {A, C, D, H}

e) preorder = B C F E D G J H I

f)

