



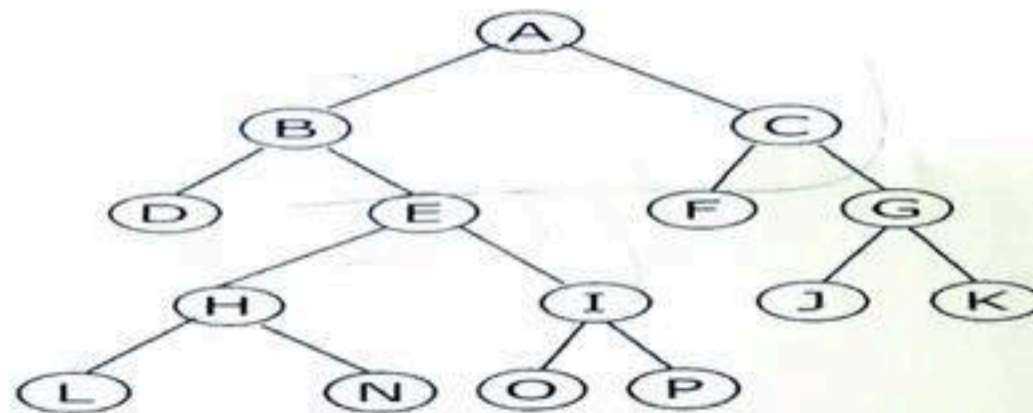
**NOTE : Answer four questions only**

Q1 : Write program to convert an array with size (7) into linked list. [12.5 M]

Q2 : Write program to count the number of capital letters in an array using recursion. [12.5 M]

Q3 :

A: Write Preorder function then display the following tree in Preorder arrangement. [5 M]



B: represent the above tree using one dimension array. [7.5 M]

Q4 : Write program to split the content of the stack S into two stacks one for numbers larger than 50 and the other for numbers smaller or equal to 50. [12.5 M]

Q5 :

A: What is sorting and list the sorting algorithms. [6 M]

B: Write a function to count the even numbers in a queue with size (10). [6.5 M]

*Good luck*

*Signature*  
29/5/2016