

GURUDAS COLLEGE
INTERNAL EXAMINATION,2020
SUBJECT - CMSA
Part-II (Honours)
PAPER – 4A

F.M : 25

Answer any 5(five) questions

1. Suppose the inorder and preorder traversals of a binary tree are as follows :
Inorder : D B H E A I F J C G
Preorder : A B D E H C F I J G
Draw the binary tree. 5
2. Explain the linear representation of binary tree. 5
3. Define :
a. Leaf Node b. Root c. Height of a tree d. Degree of a node
e. Complete binary tree
1 X 5
4. Write an algorithm to create a binary search tree. 5
5. Mention the desirable property of a good hash function. What is the disadvantage of closed hashing? 2.5+2.5
6. Write the recursive preorder traversal of binary tree. 5
7. Define heap tree. Write the advantages of threaded binary tree. 2+3

Send the Scanned answer scripts to the following mail id:
csexam.cmsa3@gmail.com