

M.E.S COLLEGE OF ENGINEERING,PUNE-411001

Department of Computer Engineering

Assignment – I (2019 PAT)

A.Y(2023-24)

Sem-II

Class:SE

Unit-I,II

Subject:DSA

Date: 21/02/2024

[Max. Marks 10]

Q 1. Write a C/C++ function to print given tree in DFS (without using recursion) **C212.1 [2M]**

Q2. Construct a binary tree from given two traversals :

Inorder Traversal—1 2 3 14 7 10 11 40 30

Postorder Traversal—1 3 2 7 10 40 30 11 14

C212.1 [3M]

Q3. Write a short note on Hash Functions.

C212.1 [2M]

Q4. For the given set of values.

11,33,20,88,79,98,44,68,66,22

Create a hash table with size 10 and resolve collision using chaining with replacement and without replacement. Use the modulus Hash function. (key% size).

C212.1 [3M]

-----BEST OF LUCK-----