Anh Pham

31st October

CMSC 204

Tree Lab

1)

a) Inorder = Smallest to largest

16, 34, 35, 38, 39, 41, 44, 45, 55, 63, 64, 65, 72

b) Preorder – Left to right

45, 38, 34, 16, 35, 41, 39, 44, 65,63, 55, 64, 72

c) Post Order – Reverse-ish

16, 35, 34, 39, 44, 41, 38, 55, 64, 63, 72, 65, 45

d) The height is 4. (16, 34, 38, 45)

Level 2 nodes are: 34, 41, 63, 72

2.

a)

((48 – (7%2))/24)\* ((18-(5\*2))+12)

b)

48 7 2 % - 24 / 18 5\*2 – 12 + \*

c)

1\*20 = 20

d)

1.95 x 20 = 39.16

3. a) the value will be null

b)

|  |  |
| --- | --- |
| 0 | 14 |
| 1 | 73 |
| 2 | 21 |
| 3 | 7 |
| 4 | Null |
| 5 | 19 |
| 6 | 6 |
| 7 | null |
| 8 | 51 |
| 9 | Null |
| 10 | Null |
| 11 | Null |
| 12 | Null |
| 13 | Null |
| 14 | 45 |

4.

