Preorder root, left sub, night sub Inorder left sub, root, night sub Postorder left sub right coub, root

Tree Lab

1. 45 IN.O 38 65 IN. I 34 41 63 72 IN 2

16 35 39 44 55 64 101 3

14 4

a Inorder traversal

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

b. Preorder braversal

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

c. Postander braversal

16 35 34 39 44 41 38 55 64 68 72 65 45

d Height of the tree is 4. Level 2 nodes include

34, 41, 63, and 72.

2. (((48-(7902))/24).((18-(5.2))+12)

+ = (((48-1)/24).((18-10)+12)

1-1 24 1-1 12 = (47/24) . (20) =

48 19 1 10

90' 18

72 52

a. Inorder braversal

(((48-(7%2))/24).(((18-(5.2)+12))

b. Postorder traversal

487290-24/1852 - 12+.

c. Evaluate using integer division: 20

d. Evalvate using float division: 39. 1667

Preord	Post-order
3. m. ra714	CoJ null
73 21 [2] 7 7 19 6 [3] null 51 45 [4] and	(11 51
73 21 [2] 7	1-27 YVII
19 6, (3] null	Car mull
51 45 (4) and (5) non	57 null
a. Null. [6] null	
b. Show contents [7] null	LTS NULL
et array (8) 21	19110
given the [9] 19 illustrated tree. [10] nu	[10] null
(	(11 01)
[11] nu [12] 6	6
[13] n.	[ 2] al
[14] 4	
4 Create a binary free	given the array
[0] 35 Presider	Pastorder
C17 20 25	
[2] 71	
[3] 40 [4] 52	7 40 63
[5] 63 40 52 Th	45 86 80 4040.52
[6] null 35	46
[7] 17	
[8] 25 [9] null	754
C107 7 4	arrias.
(117 null 5263	Level order
Cal 45 Presiden	35
20 71	
40 52 63 NUT	
, ,	5 n. 7 n. 45
1	