Dashboard / My courses / CS102 2024 1 / General / Tree (New)

Started on Tuesday, 12 March 2024, 10:34 AM

State Finished

Completed on Tuesday, 12 March 2024, 10:44 AM

Time taken 9 mins 44 secs

Grade 30.00 out of 30.00 (100%)

Question 1
Correct
Mark 1.00 out of 1.00

Which of the below is true?

- a. A binary tree may be neither complete binary tree nor full binary tree
- b. All complete binary trees are full binary trees
- oc. A binary tree can never be both complete binary tree and full binary tree together
- od. All full binary trees are complete binary trees

Your answer is correct.

The correct answer is:

A binary tree may be neither complete binary tree nor full binary tree

Question <b>2</b> Correct				
Mark 1.00 out of 1.00				
Milest and by the manifestory being	A of a literary house booting			
What can be the maximum height Please note that a tree with only				
$\bigcirc$ a. $nlog(n)$				
⊚ b. <i>n</i> −1				<b>~</b>
$\bigcirc$ c. $(n-1)log(n)$				
$\bigcirc$ d. $log(n)$				
Your answer is correct.				
The correct answer is:				
<i>n</i> –1				
Question <b>3</b>				
Correct				
Mark 1.00 out of 1.00				
Consider a complete graph G wit	h 4 vertices. The graph (	G has spanning	trees.	
○ a. 13				
b. 16				~
O c. 15				
O d. 8				
Your answer is correct.				
The correct answer is:				
16				

Correct  Mark 1.00 out of 1.00  Let <i>T</i> be a tree with <i>N</i> nodes, and let <i>C<sub>p</sub></i> denote the number of children of a node <i>p</i> of <i>T</i> . then the total number of children of tree <i>T</i> shall be  a. N  b. N-1  c. N+1  d. <i>N</i> <sup>2</sup> e. None of these  Your answer is correct.  The correct answer is: N-1  Cuestion <b>5</b> Correct  Mark 1.00 out of 1.00  Given an expression tree <i>T</i> . Which traversal in this <i>T</i> will give us the infix expression?  a. Preorder Traversal
Let <i>T</i> be a tree with <i>N</i> nodes, and let <i>C<sub>p</sub></i> denote the number of children of a node <i>p</i> of <i>T</i> , then the total number of children of tree <i>T</i> shall be  a. N  b. N-1  c. N+1  d. <i>N</i> <sup>2</sup> e. None of these  Your answer is correct. The correct answer is: N-1  Question 5 Correct Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal
shall be  a. N  b. N-1  c. N+1  d. N <sup>2</sup> e. None of these  Your answer is correct.  The correct answer is: N-1  Dueston 5  Correct  Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal  b. Inorder Traversal
<ul> <li>▶ b. N-1</li> <li>c. N+1</li> <li>d. N²</li> <li>e. None of these</li> </ul> Your answer is correct. The correct answer is: N-1 Question 5 Correct Wark 1.00 out of 1.00 Given an expression tree T. Which traversal in this T will give us the infix expression? <ul> <li>a. Preorder Traversal</li> <li>b. Inorder Traversal</li> </ul>
<ul> <li>c. N+1</li> <li>d. N²</li> <li>e. None of these</li> </ul> Your answer is correct. The correct answer is: N-1 Question 5 Correct Mark 1.00 out of 1.00 Given an expression tree T. Which traversal in this T will give us the infix expression? <ul> <li>a. Preorder Traversal</li> <li>b. Inorder Traversal</li> </ul>
<ul> <li>□ d. N²</li> <li>□ e. None of these</li> </ul> Your answer is correct. The correct answer is: N-1 Question 5 Correct Mark 1.00 out of 1.00 Given an expression tree T. Which traversal in this T will give us the infix expression? <ul> <li>□ a. Preorder Traversal</li> <li>□ b. Inorder Traversal</li> </ul>
© e. None of these  Your answer is correct.  The correct answer is: N-1  Question 5  Correct  Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  ○ a. Preorder Traversal  ○ b. Inorder Traversal
Your answer is correct. The correct answer is: N-1  Question 5  Correct  Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal  b. Inorder Traversal
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N-1  Question 5  Correct  Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal  b. Inorder Traversal
Correct  Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal  b. Inorder Traversal
Mark 1.00 out of 1.00  Given an expression tree T. Which traversal in this T will give us the infix expression?  a. Preorder Traversal  b. Inorder Traversal
<ul><li>a. Preorder Traversal</li><li>b. Inorder Traversal</li></ul>
○ c. Postorder Traversal
○ d. Level order Traversal
○ e. None of these
Your answer is correct.
The correct answer is: Inorder Traversal

to the preorder traversal of a binary search tree is 15, 10, 12, 11, 20, 18, 16, 19. What is the postorder traversal of this tree?  a. 20, 19, 18, 16, 15, 12, 11, 10  b. 11, 12, 10, 16, 19, 18, 20, 15  c. 10, 11, 12, 15, 16, 18, 19, 20  d. 19, 16, 18, 20, 11, 12, 10, 15  e. None of these  ur answer is correct.  e correct answer is:  12, 10, 16, 19, 18, 20, 15  con 7  ct  1.00 out of 1.00  poinary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as lect one:  1. Full binary tree  2. AVL tree	
e preorder traversal of a binary search tree is 15, 10, 12, 11, 20, 18, 16, 19. What is the postorder traversal of this tree?  a. 20, 19, 18, 16, 15, 12, 11, 10  b. 11, 12, 10, 16, 19, 18, 20, 15  c. 10, 11, 12, 15, 16, 18, 19, 20  d. 19, 16, 18, 20, 11, 12, 10, 15  e. None of these  ur answer is correct.  e correct answer is:  1, 12, 10, 16, 19, 18, 20, 15  corr 7  cot  1,00 out of 1,00  poinary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as lect one:  1. Full binary tree  2. AVL tree	
a. 20, 19, 18, 16, 15, 12, 11, 10 b. 11, 12, 10, 16, 19, 18, 20, 15 c. 10, 11, 12, 15, 16, 18, 19, 20 d. d. 19, 16, 18, 20, 11, 12, 10, 15 e. None of these  ur answer is correct. e correct answer is: , 12, 10, 16, 19, 18, 20, 15  tion 7  ct 1.00 out of 1.00  binary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as  lect one:  1. Full binary tree 2. AVL tree	
b. 11, 12, 10, 16, 19, 18, 20, 15 c. 10, 11, 12, 15, 16, 18, 19, 20 d. 19, 16, 18, 20, 11, 12, 10, 15 e. None of these  ur answer is correct. e correct answer is: , 12, 10, 16, 19, 18, 20, 15  tion 7 ct t. 1.00 out of 1.00  binary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as lect one: 1. Full binary tree 2. AVL tree	
c. 10, 11, 12, 15, 16, 18, 19, 20 d. 19, 16, 18, 20, 11, 12, 10, 15 e. None of these  ur answer is correct. e correct answer is: 12, 10, 16, 19, 18, 20, 15  ition 7 et 1.00 out of 1.00  poinary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as lect one: 1. Full binary tree 2. AVL tree	
d. 19, 16, 18, 20, 11, 12, 10, 15  e. None of these  ur answer is correct. e correct answer is: , 12, 10, 16, 19, 18, 20, 15  tion 7  ct  1.00 out of 1.00  binary tree in which if all its levels except possibly the last, have the maximum number of nodes and all the nodes at the last pear as far left as possible, is known as  lect one:  1. Full binary tree  2. AVL tree	~
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pear as far left as possible, is known as  lect one:  1. Full binary tree  2. AVL tree	
1. Full binary tree     2. AVL tree	ast level
2. AVL tree	
3. 2-3-4 tree	
4. Complete binary tree	
prrect	Correct
	Correct
e correct answer is: Complete binary tree	Correct

Consider a binary tree having 12 nodes, what is the minimum depth of the binary tree?  Note: A binary tree with only root node has depth 0.  Select one:  1.2 2.4 3.1 4.3 Correct  The correct answer is: 3  Correct  Correct  Correct  Correct  Correct  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  5. Correct  Correct  The correct answer is: a sorted sequence in ascending order	Question <b>8</b> Correct	
Note: A binary tree with only root node has depth 0.  Select one:  1.2 2.4 3.1 4.3 Correct  The correct answer is: 3  Correct  The correct answer is: 3  Correct  The correct answer is: 3  Correct  Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  2. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order		
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Select one:  1.2 2.4 3.1 4.3 Correct The correct answer is: 3  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree 4. a sorted sequence in ascending order  2. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order	Consider a binary tree having 12 nodes, what is the minimum depth of the binary tree?	
1.2 2.4 3.1 4.3 Correct  Correct The correct answer is: 3  Correct  Correct  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one: 1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree 4. a sorted sequence in ascending order  ✓ Correct  Correct	Note: A binary tree with only root node has depth 0.	
② 2. 4 ③ 3. 1 ⑤ 4. 3 Correct  Correct The correct answer is: 3  Correct  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  ① 1. a sorted sequence in descending order ② 2. sequence is not always sorted ③ 3. sequence is sorted only of tree is a complete or full binary tree  ④ 4. a sorted sequence in ascending order  ✓ Correct  Correct	Select one:	
<ul> <li>3.1</li> <li>4.3</li> <li>Correct</li> <li>The correct answer is: 3</li> <li>Correct</li> <li>Question 9</li> <li>Correct</li> <li>Mark 1.00 out of 1.00</li> <li>Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in</li> <li>Select one:         <ul> <li>1. a sorted sequence in descending order</li> <li>2. sequence is not always sorted</li> <li>3. sequence is sorted only of tree is a complete or full binary tree</li> <li>4. a sorted sequence in ascending order</li> <li>Correct</li> </ul> </li> <li>Correct</li> </ul>	O 1.2	
© 4.3  Correct  The correct answer is: 3  Question 9  Correct  Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct	O 2.4	
Correct The correct answer is: 3  Question 9 Correct Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order  2. sequence is not always sorted  3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct	O 3.1	
The correct answer is: 3  Question 9 Correct Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct	4.3	<b>✓</b> Correct
The correct answer is: 3  Question 9 Correct Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct		
Question 9 Correct Mark 1.00 out of 1.00  Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  ✓ Correct  Correct	Correct	
Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order  2. sequence is not always sorted  3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct	The correct answer is: 3	
Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order  2. sequence is not always sorted  3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct		
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Consider a binary tree in which every node has a value greater than value of any node in its left subtree but less than value of all nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order 2. sequence is not always sorted 3. sequence is sorted only of tree is a complete or full binary tree 4. a sorted sequence in ascending order  Correct  Correct		
nodes in its right subtree. An inorder traversal of this binary tree shall result in  Select one:  1. a sorted sequence in descending order  2. sequence is not always sorted  3. sequence is sorted only of tree is a complete or full binary tree  4. a sorted sequence in ascending order  Correct  Correct	Mark 1.00 out of 1.00	
<ul> <li>3. sequence is sorted only of tree is a complete or full binary tree</li> <li>■ 4. a sorted sequence in ascending order</li> </ul> Correct		left subtree but less than value of all
<ul><li>4. a sorted sequence in ascending order</li><li>Correct</li></ul>		
Correct	1. a sorted sequence in descending order	
	<ul><li>1. a sorted sequence in descending order</li><li>2. sequence is not always sorted</li></ul>	
	<ul> <li>1. a sorted sequence in descending order</li> <li>2. sequence is not always sorted</li> <li>3. sequence is sorted only of tree is a complete or full binary tree</li> </ul>	<b>✓</b> Correct
	<ul> <li>1. a sorted sequence in descending order</li> <li>2. sequence is not always sorted</li> <li>3. sequence is sorted only of tree is a complete or full binary tree</li> <li>4. a sorted sequence in ascending order</li> </ul>	<b>✓</b> Correct

Question 10			
Correct			
Mark 1.00 out of 1.00			

Consider a node X in a Binary Tree. Given that X has two children, let Y be Inorder successor of X. Which of the following is true about y?

## Select one:

- 1. Y has left child
- 2. Y has both children

Correct

Correct

- 3. Y has no left child
- 4. None of these

#### Correct

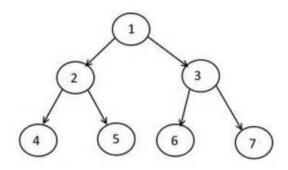
The correct answer is: Y has no left child

Question **11** 

Correct

Mark 1.00 out of 1.00

Consider the above binary tree, if the postorder traversal gives a b - c d \* + then the label of nodes 1,2,3,4,5,6,7 respectively will be.



### Select one:

- 1. +,-,\*,a,b,c,d
- 2. -,a,b,+,\*,c,d
- 3. +,-,a,b,\*,c,d,-
- 4. +,a,-,b,+,c,\*,d

## Correct

The correct answer is: +,-,\*,a,b,c,d

Question 12	
Correct	
Mark 1.00 out of 1.00	

Evaluate the following prefix expression. Assume that numbers are of 1 digit size. \* - + 4 3 5 / + 2 4 3

### Select one:

1.4

Correct

- 2.1
- 3.0
- 4.8

#### Correct

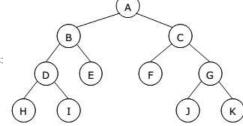
The correct answer is: 4

Question 13

Correct

Mark 1.00 out of 1.00

For the Binary tree shown in figure, the post-order traversal sequence is:



#### Select one:

- O 1. A B D H I E C F G J K
- 2. HIDEBFJKGCA

Correct

- 3. A B C D E F G H I J K
- 4. H D I B E A F C J G K

### Correct

The correct answer is: HIDEBFJKGCA

Question 14	
Correct	
Mark 1.00 out of 1.00	
Given a postfix expression abcd^^-ghi*-/, which can be the infix expression :	
Select one:	
1. (b^c^d-a)/(h*i-g)	
2. (a-b^d^c)*(g-h/i)	
3. (a-b^c^d/g-h*i)	
4. (a-b^c^d)/(g-h*i)	<b>~</b>
The correct answer is: (a-b^c^d)/(g-h*i)	
Question 15	
Correct	
Mark 1.00 out of 1.00	
Least time needed to solve tower of hanoi puzzle with 6 disks, considering one move takes 5 seco	nds, is
Select one:	
○ 1.310 sec.	
○ 2. 325 sec.	
<ul><li>3. 315 sec.</li></ul>	<b>~</b>
○ 4. 320 sec.	
The correct answer is: 315 sec.	

Question 16 Correct Mark 1.00 out of 1.00 Prefix of the following infix expression is: Z - ((((X + 6) \* 9) - 7) / Y)Select one: 1. None of these Correct 2. Y 7 9 6 X + \* -/ 3./-\*+X897Y 4. / \* - + X 6 9 7 Y Correct The correct answer is: None of these Question 17 Correct Mark 1.00 out of 1.00 The maximum number of nodes in a binary tree of height h is: Select one: 1. 2^(h-1)-1 2. 2\*(h+1) 3. 2^(h+1)-1 Correct 4. 2^h-1

# Correct

The correct answer is:  $2^{h+1}-1$ 

Question 18
Correct
Mark 1.00 out of 1.00

The number of rotations needed to insert the sequence of elements 16, 14, 10, 18, 25 into an empty AVL Tree:

Select one:

1.1

- 2.2
- 3.0
- 4.3

#### Correct

The correct answer is: 2

Question 19

Correct

Mark 1.00 out of 1.00

The postfix form of an expression (A + B)\*(C\*D - E)\*F / G is

Select one:

- □ 1. AB + CD \* E − \*F \* G /
- 2. / AB + CDE \* \* F \* G
- 3. AB + CD \* E − F \*\*G /
- 4. AB + CD \* E FG /\*\*

Correct

Correct

### Correct

The correct answer is: AB + CD  $\star$  E - FG  $/\star\star$ 

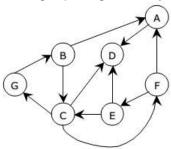
2024, 10:48	Tree (New): Attempt review	
Question <b>20</b>		
Correct		
Mark 1.00 out of 1.00		
The pre-order traversal of a binary tree is:	search tree is given by 11, 8, 6, 1, 7, 9, 10, 16, 15, 19, 17, 21. Then the post-	-order traversal of this
Select one:		
0 1. 7, 6, 1, 10, 9, 8, 15, 16, 17, 2	1, 19, 11	
0 2. 7, 1, 6, 8, 9, 10, 21, 17, 19, 1	5, 16, 11	
3. 1, 6, 7, 8, 9, 10, 11, 15, 16, 13	7, 19, 21	
4. 1, 7, 6, 10, 9, 8, 15, 17, 21, 19	9, 16, 11	<b>✓</b> Correct
Correct		
Correct The correct answer is: 1, 7, 6, 10, 9,	, 8, 15, 17, 21, 19, 16, 11	
The correct answer is: 1, 7, 6, 10, 9,	, 8, 15, 17, 21, 19, 16, 11	
The correct answer is: 1, 7, 6, 10, 9,	, 8, 15, 17, 21, 19, 16, 11	
	, 8, 15, 17, 21, 19, 16, 11	
The correct answer is: 1, 7, 6, 10, 9,  Question <b>21</b> Correct  Mark 1.00 out of 1.00		
The correct answer is: 1, 7, 6, 10, 9,  Question <b>21</b> Correct  Mark 1.00 out of 1.00	, 8, 15, 17, 21, 19, 16, 11  pression + - * 7 3 / 6 2 ^ 5 2 (assume that numbers are of 1 digit size) is	
The correct answer is: 1, 7, 6, 10, 9,  Question <b>21</b> Correct  Mark 1.00 out of 1.00		
The correct answer is: 1, 7, 6, 10, 9,  Question <b>21</b> Correct  Mark 1.00 out of 1.00  The result evaluating the prefix exp		
The correct answer is: 1, 7, 6, 10, 9,  Question 21  Correct  Mark 1.00 out of 1.00  The result evaluating the prefix exp.  Select one:		
The correct answer is: 1, 7, 6, 10, 9,  Question 21  Correct  Mark 1.00 out of 1.00  The result evaluating the prefix exp  Select one:  1.37		

Question **22** 

Correct

Mark 1.00 out of 1.00

Traversing sequence generated by Depth First Search(DFS) for the given graphs, if starting at node B is:



### Select one:

1. B A D C G F E



- O 2. B A C D G F E
- 3. Cannot be generated
- 4. B G D C A F E

### Correct

The correct answer is: B A D C G F E

Question 23

Correct

Mark 1.00 out of 1.00

What can be the contents of stack from bottom to top, at one of the time instants while evaluating a postfix expression:  $5\ 8\ 4\ /\ +\ 3\ 2\ *$  - (assume that numbers are of 1 digit size)?

#### Select one:

0 7, 6

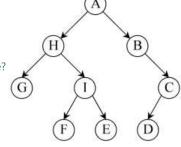


- 5, 0
- 7, 1
- 7, 5

The correct answer is: 7, 6

Question 24
Correct
Mark 1.00 out of 1.00

What is the inorder traversal sequence of the above binary tree?



### Select one:

- O 1. G F E I H D C B A
- O 2. A H G I F E B C D
- 3. GHFIEABDC
- 4. A H B G I C F E D

## Correct

The correct answer is: G H F I E A B D C

Question 25

Correct

Mark 1.00 out of 1.00

What is the maximum height possible of any AVL-tree with 7 nodes? Assume that the height of a tree with a single node is 0.

## Select one:

- 0 1.5
- 2.2
- 3.3
- 0 4.4

### Correct

The correct answer is: 3

Correct

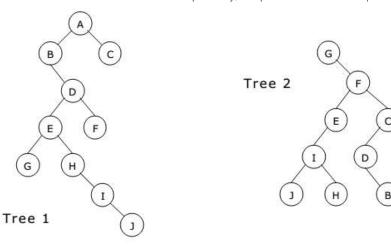
Correct

Question <b>26</b> Correct	
Correct  Mark 1.00 out of 1.00	
wark 1.00 out of 1.00	
What is the maximum number of nodes in a binary tree at level I, assume root node is at level 0?	
Select one:	
○ 1.2^(I-1)	
○ 2. 2^I-1	
	<b>✓</b> Correct
<ul><li>4. None of these</li></ul>	
Correct	
The correct answer is: 2^I	
Question 27	
Correct	
Mark 1.00 out of 1.00	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)? I. 4, 5, 7, 8, 16, 17, 35	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)? I. 4, 5, 7, 8, 16, 17, 35	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)? I. 4, 5, 7, 8, 16, 17, 35 II. 5, 8, 9, 14, 10, 15, 34	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)? I. 4, 5, 7, 8, 16, 17, 35 II. 5, 8, 9, 14, 10, 15, 34 III. 24, 20, 18, 16, 12, 8, 4 IV. 3, 6, 7, 19, 20, 25, 28	
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:	<b>✓</b> Correct
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:  ① 1. II only	<b>✓</b> Correct
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:  1. II only 2. I and IV only	<b>✓</b> Correct
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:  1. II only 2. I and IV only 3. II and IV only	<b>✓</b> Correct
Which of the following is/are correct inorder traversal sequence(s) of any given binary search tree(s)?  I. 4, 5, 7, 8, 16, 17, 35  II. 5, 8, 9, 14, 10, 15, 34  III. 24, 20, 18, 16, 12, 8, 4  IV. 3, 6, 7, 19, 20, 25, 28  Select one:  1. II only 2. I and IV only 3. II and IV only	<b>✓</b> Correct

2024, 10:48	Tree (New): Attempt review	
Question 28		
Correct		
Mark 1.00 out of 1.00		
Which of the following statements about binary trees is NOT true	e?	
Select one:		
1. Every node has exactly two children	✓	Correct
2. Every node has at most two children		
<ul> <li>3. Every non-empty tree has exactly one root node</li> </ul>		
<ul> <li>4. Every non-root node has exactly one parent</li> </ul>		
Correct		
The correct answer is: Every node has exactly two children		
,,		
Question <b>29</b>		
Correct		
Mark 1.00 out of 1.00		
Which of the following tree traversal techniques visits root node	last?	
Select one:		
1. preorder		
2. inorder		
3. level order		
<ul><li>4. postorder</li></ul>	<b>~</b>	Correct
		00.1000
Correct		
The correct answer is: postorder		

Question 30
Correct
Mark 1.00 out of 1.00

Which traversals of Tree 1 and Tree 2 respectively, will produce the same sequence of node names?



#### Select one:

- 1. Postorder, Inorder
- 2. Inorder, Preorder
- 3. Preorder, Postorder
- 4. Postorder, Postorder

# Correct

The correct answer is: Postorder, Inorder

■ Trees (New)

Jump to...

Heap (New) ►

Correct