

DATA STRUCTURES & ALGORITHMS (BCSE2361)















GGALGOTIAS MAAC ALL LMS

Ouestion 4

Not yet answered

Marked out of

Flag question

3. What is a full binary tree?

Select one:

- a. Each node has exactly two children
- b. Each node has exactly zero or two children.
- O c. All the leaves are at the same level

4. What is a complete binary tree?

Clear my choice

Question 5

Not yet answered

Marked out of

Flag question

Select one:

- O a. A binary tree, which is completely filled, with the possible exception of the bottom level, which is filled from right to left.
- O b. Each node has exactly zero or two children.
- c. A binary tree, which is completely filled, with the possible exception of the bottom level, which is filled from left to right.

Clear my choice

Question 6

Not yet answered

Marked out of

Flag question

5. What is the average case time complexity for finding the height of the binary tree?

Select one:

- O a. h = O(n).
- O b. h = O(nlogn).
- O c. h = O(loglogn).
- d. h = O(log n).

Clear my choice

Question 7

Not yet answered

Marked out of

6. Which of the following is not an advantage of trees?

Select one:

a. Hierarchical structure









Question 8 7. In a full binary tree if number of internal nodes is I, then number of leaves L are?. Not yet

Marked out of

answered

Flag question

Question 9 Not yet

answered Marked out of

0.50

♥ Flag question

8. In a full binary tree if number of internal nodes is I, then number of nodes N are?

Select one:

Select one:

○ a. L = I – 1 O b. L = 2*I - 1

c. L = I + 1 O d. L = 2*I

Clear my choice

○ a. N = 2*I

b. N = 2*I + 1

O c. N = I + 1

 \bigcirc d. N = I – 1

Clear my choice

Question 10

Not yet answered 9. In a full binary tree if there are L leaves, then total number of nodes N are?

Select one:









Finish attempt ..

Moodle Hosting by Vidya Mantra











