

Question # 10 of 10 (Start time: 05:22:23 PM, 21 July 2023)

Total Marks: 1

Which of the following formula gives the index position of the left child of "i"?

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	$2i+1$
<input type="radio"/>	$2+i$
<input type="radio"/>	$i/2$
<input type="radio"/>	$2*i$

[Click to Save Answer & Move to Next Question](#)

Question # 8 of 10 (Start time: 05:20:12 PM, 21 July 2023)

Total Marks: 1

A complete binary tree with a property that the value at each node is at least as small as the values in its children are called as _____.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	Max Heap
<input type="radio"/>	Binary search tree
<input type="radio"/>	Binary tree
<input checked="" type="radio"/>	Min Heap

[Click to Save Answer & Move to Next Question](#)

Question # 2 of 10 (Start time: 05:14:49 PM, 21 July 2023)

Total Marks: 1

Consider a max heap, represented by the following array:

49, 39, 36, 31, 27, 21, 35, 12

After the deletion of node with value 49. Which of the following is the updated max heap?

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	39, 36, 31, 27, 21, 35, 12
<input type="radio"/>	39, 31, 36, 12, 27, 21, 35
<input checked="" type="radio"/>	39, 36, 35, 21, 27, 31, 12
<input type="radio"/>	39, 36, 31, 12, 27, 21, 35

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Question # 7 of 10 (Start time: 05:19:18 PM, 21 July 2023)

Total Marks: 1

A hole is created which needs to be filled if the element is _____ from the heap.

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	Deleted
<input type="radio"/>	Updated
<input type="radio"/>	There is no concept of hole in heap
<input type="radio"/>	Inserted

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Question # 3 of 10 (Start time: 05:15:49 PM, 21 July 2023)

Total Marks: 1

While implementing min heap, the for loop in insert() method is initialized with _____

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	<code>int hole = ++currentSize;</code>
<input type="radio"/>	<code>int hole = --currentSize;</code>
<input checked="" type="radio"/>	<code>int hole = currentSize;</code>
<input type="radio"/>	<code>int hole = 2*currentSize;</code>

[Click to Save Answer & Move to Next Question](#)

Question # 6 of 10 (Start time: 05:18:29 PM, 21 July 2023)

Total Marks: 1

Which of the following method take one element at a time to make a heap?

Select the correct option

 Reload Math Equations

<input checked="" type="radio"/>	percolatedown ()
<input type="radio"/>	Buildheap()
<input type="radio"/>	traverse ()
<input type="radio"/>	Insert ()

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 05:17:31 PM, 21 July 2023)

Total Marks: 1

Which of the following node has the maximum value in a max heap?

Select the correct option

 Reload Math Equations

<input type="radio"/>	Right most child
<input type="radio"/>	Left most child
<input checked="" type="radio"/>	Root node
<input type="radio"/>	None of the given options.

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 05:16:40 PM, 21 July 2023)

Total Marks: 1

In min heap, deletemin() will put the _____ element at the first position of the array.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	Last
<input type="radio"/>	Third
<input type="radio"/>	None of the given options.
<input checked="" type="radio"/>	Second

[Click to Save Answer & Move to Next Question](#)

Question # 1 of 10 (Start time: 05:13:51 PM, 21 July 2023)

Total Marks: 1

Which of the following method takes an array to make a heap out of it?

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	percolatedown ()
<input type="radio"/>	traverse ()
<input checked="" type="radio"/>	Buildheap()
<input type="radio"/>	Insert ()

[Click to Save Answer & Move to Next Question](#)

Question # 9 of 10 (Start time: 05:21:05 PM, 21 July 2023)

Total Marks: 1

Which of the following formula gives the index position of the right child of 'i' ?

Select the correct option

 Reload Math Equations

<input type="radio"/>	$i/2$
<input checked="" type="radio"/>	$2i+1$
<input type="radio"/>	$2+i$
<input type="radio"/>	$2*i$

Click to Save Answer & Move to Next Question