

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

We also provide Past papers for Mids. and Finals

Cross Check your answers before submitting directly from the file. We are not responsible for 100% correction as human error exists

1. Binary Search Algorithm cannot be applied to:

- a) Array sorted in ascending order
- b) Array sorted in descending order
- c) Array sorted in any order
- d) Linked List

Correct option: d) Linked List

2. Which of the following formula gives the index position of the right child of "i"?

- a) $2*i + 1$
- b) $2*i$
- c) $i/2$
- d) $2*i + 2$

Correct option: a) $2*i + 1$

3. In Binary Search Algorithm, if the value being searched is greater than "mid", then the updated "low" for the right half of the array will be computed as:

- a) $Low = mid - 1$
- b) $Low = mid + high$
- c) $Low = mid * 2$
- d) $Low = mid + 1$

Correct option: d) $Low = mid + 1$

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

4. If we call the union function as $\text{union}(5, 7)$, then the name of the new set will be:

- a) 5
- b) 7
- c) $5 + 7$
- d) 5 & 7

Correct option: c) $5 + 7$

5. Which of the following methods takes an array to make a heap out of it?

- a) `traverse()`
- b) `percolatedown()`
- c) `Buildheap()`
- d) `Insert()`

Correct option: c) `Buildheap()`

6. Which of the following methods takes one element at a time to make a heap?

- a) `Insert()`
- b) `Buildheap()`
- c) `percolatedown()`
- d) `traverse()`

Correct option: a) `Insert()`

7. Which of the following formulas gives the index position of the left child of "i"?

- a) $2 + i$
- b) $i/2$

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

c) $2^*i + 1$

d) 2^*i

Correct option: d) 2^*i

File by MAM MEHWISH 03184148783
Paid LMS Handling Available

File by MAM MEHWISH 03184148783
Paid LMS Handling Available