

CIT216 NOUN EXAMS

Which of the following sorting algorithm is not in place?

Bubble sort

Given a perfect binary tree containing  $n$  nodes, what is the worst case complexity for an unsuccessful search?

$O(n^2)$

Sorting algorithm is referred to be \_\_\_\_\_ if it preserves the relative order of equal keys in the file.

stable

A \_\_\_\_\_ can be drawn if we have full knowledge of its edge set and vertex set

graph

The stack is usually implemented with two basic operations known as \_\_\_\_\_

"Push" and "Pop"

Which of the following is a best way of declaring  $x$  as a two-dimension array in java?

`int[]x = new int[2];`

Which of the following is a non-linear data structure?

Tree

What is meant by the term generics?

Parameterized Types

Which of the following is true about graph?

A graph may contain no edges and many vertices

Which of these best describes an array?

A collection of objects of similar types ([www.purededu.net](http://www.purededu.net))