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**NORTH AMERICAN
UNIVERSITY**
INSPIRATION INNOVATION GLOBAL COMPETENCE

Geraldo Braho ▾[Dashboard](#) > [COMP](#) > [COMP 3317.Algorithms.2016FLL.s1](#) > [24 October - 30 October](#) > [Trees](#)**Started on** Saturday, 3 December 2016, 3:53 PM**State** Finished**Completed on** Saturday, 3 December 2016, 3:54 PM**Time taken** 1 min 33 secs**Marks** 4.00/5.00**Grade** **80.00** out of 100.00**Question 1**

Correct

Mark 1.00 out of 1.00

A binary tree with the height of 5 has a degree of _____.

Select one:

- ☐ a. 5
- ☒ b. 2 ✓
- ☐ c. 3
- ☐ d. 4

Your answer is correct.

The correct answer is: 2

Question 2

Correct

Mark 1.00 out of 1.00

A node's degree is measured by its _____.

Select one:

- ☐ a. ancestor
- ☒ b. children ✓
- ☐ c. level
- ☐ d. depth

Your answer is correct.

The correct answer is: children

Question 3

Correct

Mark 1.00 out of 1.00

Having the same height, which one of the tree types might have more leaves?

Select one:

- ☐ a. Sequoia Tree
- ☐ b. Full Tree
- ☐ c. Complete Tree
- ☒ d. Perfect Tree ✓

Your answer is correct.

The correct answer is: Perfect Tree

Question 4

Incorrect

Mark 0.00 out of 1.00

Trees are highly recursive data structures for hierarchical data. Which one is not a good example for this type of data:

Select one:

- ☐ a. Dictionary data
- ☐ b. Graphs
- ☒ c. Organizational charts ✖
- ☐ d. Parts of a car

Your answer is incorrect.

The correct answer is: Dictionary data

Question 5

Correct

Mark 1.00 out of 1.00

A node that has no parent is called _____.

Select one:

- ☐ a. external node
- ☒ b. root ✔
- ☐ c. parent node
- ☐ d. leaf

Your answer is correct.

The correct answer is: root