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NORTH AMERICAN UNIVERSITY
INSPIRATION   INNOVATION   GLOBAL COMPETENCE

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Started on	Monday, 13 February 2017, 2:59 PM
State	Finished
Completed on	Monday, 13 February 2017, 3:01 PM
Time taken	2 mins 23 secs
Marks	5.00/5.00
Grade	**100.00** out of 100.00

Question 1   Correct   Mark 1.00 out of 1.00

A(n) _____ is a device used to describe more of the structure of a programming language than can be described with a context-free- grammar.

Select one:

- ⦿ a. attribute grammar ✓
- ◯ b. recognizer
- ◯ c. static semantics
- ◯ d. Extended BNF

Your answer is correct.

The correct answer is: attribute grammar

Question 2   Correct   Mark 1.00 out of 1.00

Type compatibility can be checked in context-free grammars.

Select one:

- ◯ True
- ⦿ False ✓

Attribute grammar can check type compatibility.

The correct answer is 'False'.

Question 3   Correct   Mark 1.00 out of 1.00

Operational semantics deals with the effects of running a program on a machine.

Select one:

○ True ✓

○ False

The correct answer is 'True'.

Question 4   Correct   Mark 1.00 out of 1.00

Dynamic semantics deals with the meaning of expressions, statements, and program units.

Select one:

○ True ✓

○ False

The correct answer is 'True'.

Question 5   Correct   Mark 1.00 out of 1.00

What does the following attribute grammar mean:

Syntax rule: <fun_def> → **function** <fun_name>[1]

        <fun_body> **end** <fun_name>[2];

Predicate: <fun_name>[1].string == <fun_name>[2].string

Select one:

○   a. Functions should have two variables

○   b. Syntax rule should come before predicate rule when writing in that
      programming language

◉   c. The name on the end of a function must match the functions name ✓

○   d. Functions cannot be defined without variables

Your answer is correct.

The correct answer is: The name on the end of a function must match the functions
name