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NORTH AMERICAN UNIVERSITY
INSPIRATION INNOVATION GLOBAL COMPETENCE

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Started on	Thursday, 20 April 2017, 3:17 PM
State	Finished
Completed on	Thursday, 20 April 2017, 3:23 PM
Time taken	6 mins 20 secs
Marks	4.67/5.00
Grade	**93.33** out of 100.00

Question 1

Correct Mark 1.00 out of 1.00

What is functor in this example?

like(jim, linux)

Select one:

- a. jim
- b. (jim, linux)
- c. like ✓
- d. unix

Your answer is correct.

The correct answer is: like

Question 2

Correct Mark 1.00 out of 1.00

What is the output of the following code:

likes(jake,chocolate).

likes(jake, apricots).

likes(jake, apples).

likes(darcie, licorice).

likes(darcie, apples).

likes(jake, X), likes(darcie, X).

X = ?

Select one:

- a. appricots
- b. licorice
- c. apples ✓
- d. chocolate

Your answer is correct.

The correct answer is: apples

Question 3

Correct Mark 1.00 out of 1.00

Match the following:

conjunction ∧ ✓

disjunction ∨ ✓

negation ¬ ✓

Your answer is correct.

The correct answer is: conjunction → ∧, disjunction → ∨, negation → ¬

Question 4

Partially correct Mark 0.67 out of 1.00

parent(bill, sarah).

parent(bill, oliver).

sibling(X,Y) :- (parent(M,X), parent(M,Y)).

Which one of the following will return true? (Select all that applies)

Select one or more:

- [x] a. sibling(oliver,oliver). ✓
- [ ] b. sibling(sarah,oliver).
- [x] c. sibling(sarah,sarah). ✓
- [ ] d. sibling(bill,oliver).

Your answer is partially correct.

You have correctly selected 2.

The correct answers are:

sibling(sarah,oliver).,

sibling(sarah,sarah).,

sibling(oliver,oliver).

Question 5

Correct Mark 1.00 out of 1.00

Match the following:

For some X, P is not true	∃X.¬P ✓
There exists a value of X such that P is true	∃X.P ✓
For all X, P is true	∀X.P ✓

Your answer is correct.

The correct answer is: For some X, P is not true → ∃X.¬P, There exists a value of X such that P is true → ∃X.P, For all X, P is true → ∀X.P