

 <http://www.na.edu>



 E-mail: moodle@na.edu



**NORTH AMERICAN
UNIVERSITY**
INSPIRATION INNOVATION GLOBAL COMPETENCE



Islam Kamilov ▾



Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 6 February
- 12 February > Homework 4

Started on	Monday, 6 February 2017, 2:53 PM
State	Finished
Completed on	Monday, 6 February 2017, 3:00 PM
Time taken	7 mins 22 secs
Marks	6.00/7.00
Grade	85.71 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

A grammar that generates a sentential form for which there are two or more distinct parse trees is said to be _____.

Select one:

- ☒ a. ambiguous ✓
- ☐ b. readable
- ☐ c. flexible
- ☐ d. unambiguous

Your answer is correct.

The correct answer is: ambiguous

Question 2

Correct

Mark 1.00 out of 1.00

The following grammar is ambiguous:

$$\langle S \rangle \rightarrow \langle A \rangle$$
$$\langle A \rangle \rightarrow \langle A \rangle + \langle A \rangle \mid \langle \text{id} \rangle$$
$$\langle \text{id} \rangle \rightarrow a \mid b \mid c$$

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

The sentences of the language are generated through a sequence of applications of the rules, beginning with a special nonterminal of the grammar called the start symbol. This sequence of rule applications is called a derivation.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

What is the lowest level syntactic unit?

Select one:

- ☐ a. grammar
- ☐ b. BNF
- ☐ c. EBNF
- ☒ d. lexeme ✓

Your answer is correct.

The correct answer is: lexeme

Question 5

Correct

Mark 1.00 out of 1.00

Operator precedence can be achieved in _____ grammars.

Select one:

- ☒ a. non-ambiguous ✓
- ☐ b. token
- ☐ c. BNF
- ☐ d. ambiguous

Your answer is correct.

The correct answer is: non-ambiguous

Question 6

Incorrect

Mark 0.00 out of 1.00

JIT (Just-in-Time) compilers are widely used for Java programs.

Select one:

- ☐ True
- ☒ False ✗

The correct answer is 'True'.

Question 7

Correct

Mark 1.00 out of 1.00

Which language used orthogonality as a primary design criterion?

Select one:

- ☐ a. JAVA
- ☐ b. LISP
- ☐ c. FORTRAN
- ☒ d. ALGOL ✓
- ☐ e. Python

Your answer is correct.

The correct answer is: ALGOL