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NORTH AMERICAN UNIVERSITY
INSPIRATION   INNOVATION   GLOBAL COMPETENCE

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Started on	Monday, 6 February 2017, 3:13 PM
State	Finished
Completed on	Monday, 6 February 2017, 3:16 PM
Time taken	3 mins 36 secs
Marks	7.00/7.00
Grade	**100.00** out of 100.00

Question 1   Correct   Mark 1.00 out of 1.00

The following grammar cannot produce?

<assign> → <id> = <expr>

<id> → A | B | C

<expr> → <expr> + <term>

| <term>

<term> → <term> * <factor>

| <factor>

<factor> → (<expr>)

| <id>

Select one:

- ○   a. A = (A+B) * C

- ⦿   b. A = (A+B) * 3 ✓

- ○   c. A = (B+B) * C

- ○   d. C = (A+ (C + C)) * C

Your answer is correct.

The correct answer is: A = (A+B) * 3

Question 2   Correct   Mark 1.00 out of 1.00

What is the lowest level syntactic unit?

Select one:

- ○ a. EBNF
- ◉ b. lexeme ✔
- ○ c. BNF
- ○ d. grammar

Your answer is correct.

The correct answer is: lexeme

Question 3   Correct   Mark 1.00 out of 1.00

The following grammar is ambiguous:

<S> → <A>

<A> → <A> + <A> | <id>

<id> → a | b | c

Select one:

- ◉ True ✔
- ○ False

The correct answer is 'True'.

Question 4   Correct   Mark 1.00 out of 1.00

A metalanguage is a language that is used to describe another language. BNF is a metalanguage for programming languages.

Select one:

- ○ True ✓
- ○ False

The correct answer is 'True'.

Question 5   Correct   Mark 1.00 out of 1.00

In the following grammar we can say that:

<assign> → <id> = <expr>

<id> → A | B | C

<expr> → <expr> + <term>

| <term>

<term> → <term> * <factor>

| <factor>

<factor> → (<expr>)

| <id>

Select one:

- a. * has precedence over + ✓
- b. we cannot say anything about their precedence
- c. + has precedence over *
- d. + and * have same precedence

Your answer is correct.

The correct answer is: * has precedence over +

Question 6   Correct   Mark 1.00 out of 1.00

What is the legendary programming language that is especially used for scientific calculations?

Select one:

- ○ a. Algol
- ⦿ b. Fortran ✓
- ○ c. AWK
- ○ d. Scitran
- ○ e. Cobol

Your answer is correct.

The correct answer is: Fortran

Question 7

Correct   Mark 1.00 out of 1.00

What is the legendary programming language that is especially used for AI?

Select one:

- ○ a. AWK
- ○ b. Fortran
- ○ c. Pascal
- ○ d. Algol
- ● e. Lisp ✓

Your answer is correct.

The correct answer is: Lisp