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**Started on** Tuesday, 16 November 2021, 2:23 PM

**State** Finished

**Completed on** Tuesday, 16 November 2021, 2:24 PM

**Time taken** 1 min 21 secs

**Grade** 6.00 out of 10.00 (60%)

Question **1**

Complete

Mark 2.00 out of 2.00

Is the grammar LL(1)?

$S \rightarrow aAa \mid \epsilon$

$A \rightarrow abS \mid \epsilon$

Select one:

☒ True

☐ False

Question **2**

Complete

Mark 0.00 out of 2.00

Consider the grammar:

$S \rightarrow aA \mid Ab$

$A \rightarrow a \mid \epsilon$

Then FIRST(S) =

☒ a, b,  $\epsilon$

☐ a,  $\epsilon$

☐ a,b

Question **3**

Complete

Mark 2.00 out of 2.00

Consider the grammar:

 $S \rightarrow AB$  $A \rightarrow a$  $B \rightarrow b$  $\text{Follow}(A) = \{b\}$ 

Select one:

☒ True☐ FalseQuestion **4**

Complete

Mark 0.00 out of 2.00

 $\{a, ab, abb, \epsilon\} \oplus \{b\} = \dots$ ☒  $\epsilon$ ☐ b☐ a,b☐ a,ab,abbQuestion **5**

Complete

Mark 2.00 out of 2.00

If  $S \rightarrow aA \mid a$  then LL(1) contains a conflict

Select one:

☒ True☐ False[◀ Seminar 7 activity](#)

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