

Learning4help by Waqas

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Question # 6 of 10 (Start time: 02:14:01 PM, 31 January 2023)

Total Marks: 1

In the Parsing Table the rows correspond to Parsing DFA states and columns correspond to ----.

Select the correct option

- Terminals and non-terminals
- Handles and derivations
- Start Symbol and its derivation
- None of the given

A canonical collection of sets of items for an augmented grammar, C is constructed as ----

Select the correct option

- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S is starting symbol of original grammar and S' is the starting non-terminal of original grammar.
- For each set I in C and each grammar symbol X where $\text{goto}(I, X)$ is non-empty and not in C add the set $\text{goto}(I, X)$ to C.
- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S' is starting symbol of original grammar and S is the starting non-terminal of augmented grammar.
- For each set I in C and each grammar symbol X where $\text{goto}(I, X)$ is empty and not in C add the set $\text{goto}(I, X)$ to C.

Click to Save Answer & Move to Next Question

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Question # 4 of 10 (Start time: 02:12:37 PM, 31 January 2023) Total Marks: 1

The classic example of a shift-reduce conflict is the _____.

Select the correct option

[Reload Math Equations](#)

- Dangling else
- Dangling if nested else
- Dangling if else
- Dangling else if

[Click to Save Answer & Move to Next Question](#)

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Question # 3 of 10 (Start time: 02:12:17 PM, 31 January 2023) Total Marks: 1

YACC parser generator builds up

Select the correct option

- None of the given
- SLR parsing table
- Canonical LR parsing table
- LALR parsing table

Question # 2 of 10 (Start time: 02:11:21 PM, 31 January 2023)

Total Marks: 1

_____ is/are elaborated to produce bindings.

Select the correct option

- Expression
- Declaration
- Expression and command
- Command

Question # 10 of 10 (Start time: 01:48:21 PM, 31 January 2023)

Total Marks: 1

A grammar is LR if a ----- shift reduce-reduce parser can recognize handles when they appear on the top of stack.

Select the correct option

- left-to-right
- left-to-rise
- None of the given.
- left-to-reverse

Question # 9 of 10 (Start time: 01:48:03 PM, 31 January 2023)

Total Marks: 1

YACC parser generator builds up

Select the correct option

- Canonical LR parsing table
- LALR parsing table
- None of the given
- SLR parsing table

Question # 8 of 10 (Start time: 01:47:03 PM, 31 January 2023)

Total Marks: 1

NFA of LR(0) items means -----

Select the correct option

- look-ahead all sybols
- no look-ahead
- look-ahead one sybole
- None of the given

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Question # 8 of 10 (Start time: 01:47:03 PM, 31 January 2023)

Total Marks: 1

NFA of LR(0) items means _ _ _ _ _

Select the correct option

- look-ahead all sybols
- no look-ahead
- look-ahead one sybole
- None of the given

Question # 7 of 10 (Start time: 01:46:38 PM, 31 January 2023)

Total Marks: 1

LR parsers do not need _ _ _ _ _

Select the correct option

- Left factored grammars
- Factored grammars
- Right factored grammars
- Bottom up parsing

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Consider the following grammar:

- $S \rightarrow X S \mid d S \mid \epsilon$
- $X \rightarrow Y \mid Z b \mid a Y$
- $Y \rightarrow c Z$
- $Z \rightarrow e$

The first of S is _____.

Select the correct option

- a, c, d, e, ϵ
- c
- e
- a, c, e

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 01:44:54 PM, 31 January 2023) Total Marks: 1

LR parsing _____ a string to the start symbol by inverting productions.

Select the correct option

- Adds
- Shifts
- Multiplies
- Reduces

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Question # 4 of 10 (Start time: 01:42:53 PM, 31 January 2023)

Total Marks: 1

A canonical collection of sets of items for an augmented grammar, C is constructed as -----

Select the correct option

Reload Math Equations

- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S is starting symbol of original grammar and S' is the starting terminal of augmented grammar.
- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S is starting symbol of original grammar and S is the starting non-terminal of augmented grammar.
- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S is starting symbol of original grammar and S' is the starting non-terminal of augmented grammar.
- The first set in C is the closure of $\{[S' \rightarrow \cdot S]\}$, where S is starting symbol of original grammar and S' is the starting non-terminal of original grammar.

Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 01:41:20 PM, 31 January 2023)

Total Marks: 1

Consider the following grammar, $S \rightarrow aTUE$ $T \rightarrow Tbc|bU$ $U \rightarrow d$ And suppose that string "abbcde" can be parsed bottom-up by the following reduction steps: (i) aTbcde (ii) aTde (iii) aTUE (iv) S So, what can be a handle from the following?

Select the correct option

Reload Math Equations

- The whole string, (aTbcde)
- The partial string, (cctde)
- The whole string, (aTUE)
- The whole string, (aTde)

Click to Save Answer & Move to Next Question

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Question # 2 of 10 (Start time: 01:40:55 PM, 31 January 2023)

Total Marks: 1

The _____ parser uses a stack to hold the frontier.

Select the correct option

- Bottom-up
- LL(1) parsers
- Predictive
- Top-down

Question # 1 of 10 (Start time: 01:39:08 PM, 31 January 2023)

Total Marks: 1

Consider the following grammar:

- $S \rightarrow X S \mid d S \mid \epsilon$
- $X \rightarrow Y \mid Z b \mid a Y$
- $Y \rightarrow c Z$
- $Z \rightarrow e$

The follow of S is _____.

Select the correct option

- a, c, d, e, \$
- a, b, c, d, e, \$
- a, c, d, e, e, \$
- \$

Question # 1 of 10 (Start time: 02:10:41 PM, 31 January 2023)

Total Marks: 1

A _____ parser builds the parse tree starting with its leaves and working toward its root.

Select the correct option

- Predictive
- Bottom-up
- Descent parsing
- Top-down

Question # 10 of 10 (Start time: 02:06:34 PM, 31 January 2023)

Total Marks: 1

Suppose α begins with symbol X which may be a terminal (token) or non-terminal. The item can be written as _____

Select the correct option

- $A? X\alpha?$
- $X? A\alpha?$
- $A? \alpha X?$
- $A? X\alpha?$

Question # 9 of 10 (Start time: 02:06:02 PM, 31 January 2023)

Total Marks: 1

In parser the two LL stand(s) for _____.

Select the correct option

- Left-to-right scan of input
- Right to left scan of input
- left-most derivation
- Left-to-right scan of input and left-most derivation

Question # 8 of 10 (Start time: 02:05:39 PM, 31 January 2023)

Total Marks: 1

A _____ parser operates by repeatedly locating handles on the frontier of the partial parse tree and performing reductions that they specify.

Select the correct option

- Descent parsing
- Predictive
- Bottom-up
- Top-down

Question # 7 of 10 (Start time: 02:05:10 PM, 31 January 2023)

Total Marks: 1

_____ expands a parse tree from the start symbol to the leaves.

Select the correct option

- Bottom-up parsing
- Internal parsing
- Top-down parsing
- Expanded parsing

Question # 6 of 10 (Start time: 02:04:29 PM, 31 January 2023)

Total Marks: 1

The _____ parser uses a stack to hold the frontier.

Select the correct option

- Predictive
- Bottom-up
- Top-down
- LL(1) parsers

Question # 5 of 10 (Start time: 02:02:57 PM, 31 January 2023) Total Marks: 1

- $S \rightarrow X S \mid d S \mid \epsilon$
- $X \rightarrow Y \mid Z b \mid a Y$
- $Y \rightarrow c Z$
- $Z \rightarrow e$

The follow of Z is _____.

Select the correct option

\$

a, c, d, e, \$

a, b, a, d, e, \$

a, c, e, \$

Question # 4 of 10 (Start time: 02:02:01 PM, 31 January 2023) Total Marks: 1

A handle is a substring that matches a ----- side of production rule in the grammar.

Select the correct option

Right hand

Corner Side

Middle side

Left hand

[Reload Math Equations](#)

[Click to Save Answer & Move to Next Question](#)

Question # 3 of 10 (Start time: 02:01:04 PM, 31 January 2023)

Total Marks: 1

Consider the grammar

A --> B C D
B --> h B | ε
C --> C g | g | C h | i
D --> A B | ε

First of B is _____ .

Select the correct option

- h, ε
- h, i
- g, h
- g

Question # 2 of 10 (Start time: 01:59:19 PM, 31 January 2023)

Total Marks: 1

Consider the following grammar,

A --> B C D
B --> h B | ε
C --> C g | g | C h | i
D --> A B | ε

First of A is _____ .

Select the correct option

- g
- a
- h, g, i
- h

Question # 2 of 10 (Start time: 01:59:19 PM, 31 January 2023)

Total Marks: 1

Consider the following grammar,

- A --> B C D
- B --> h B | e
- C --> C g | g | C h | i
- D --> A B | e

First of A is _____.

Select the correct option

- g
- a
- h, g, i
- h

Question # 1 of 10 (Start time: 01:58:41 PM, 31 January 2023)

Total Marks: 1

A _____ parser builds the parse tree starting with its leaves and working toward its root.

Select the correct option

- Predictive
- Bottom-up
- Top-down
- Descent parsing