

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



WhatsApp:03087122922



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Best of luck!



Question # 1 of 30 (Start time: 08:47:53 PM, 26 December 2020)

Total Marks: 1

Primary goal of the _____ is to reduce running time of the compiled code.

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Select the correct option

<input type="radio"/>	Front end
<input type="radio"/>	Back end
<input checked="" type="radio"/>	Middle end
<input type="radio"/>	Finite Automata

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Question # 2 of 30 (Start time: 08:49:07 PM, 26 December 2020)

Total Marks: 1

Typical compilation means programs written in high-level languages to low-level _____.

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Select the correct option

- Object code
- Byted code
- Unicode
- Both Object Code and byte code

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Question # 3 of 30 (Start time: 08:49:38 PM, 26 December 2020)

Total Marks: 1

_____ are the most popular for specifying tokens.

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Select the correct option

- Common languages
- Regular Languages
- English languages
- Difficult languages

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Question # 4 of 30 (Start time: 08:50:10 PM, 26 December 2020)

Total Marks: 1

In the Parse trees the interior nodes contain the _____ used during the derivation.

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Select the correct option

- Terminals
- Non-terminals
- Expressions
- Leaf nodes

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Question # 5 of 30 (Start time: 08:50:55 PM, 26 December 2020)

Total Mark

The top-down parsing algorithm proceeds by constructing the _____ node of the parse tree

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Select the correct option

- Root
- Child
- Leaf node
- Kid node

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Question # 6 of 30 (Start time: 08:52:14 PM, 26 December 2020)

Total Marks: 1

An important component of semantic analysis is _____.

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Select the correct option

<input type="radio"/>	Code checking	//
<input checked="" type="radio"/>	Type checking	//
<input type="radio"/>	Flush checking	
<input type="radio"/>	Random checking	

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Question # 7 of 30 (Start time: 08:52:38 PM, 26 December 2020)

Total Marks:

NFA is _____ to implement as compared to DFA.

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Select the correct option

- easy
- Difficult
- Neither easy nor difficult
- Impossible

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Question # 9 of 30 (Start time: 08:57:57 PM, 26 December 2020)

Total Marks: 1

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

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Select the correct option

- | | | |
|----------------------------------|------------------------------------------------------|----|
| <input type="radio"/> | Left-to-right scan of input | // |
| <input type="radio"/> | left-most derivation | // |
| <input checked="" type="radio"/> | Left-to-right scan of input and left-most derivation | // |
| <input type="radio"/> | Right to left scan of input | // |

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Question # 14 of 30 (Start time: 09:03:29 PM, 26 December 2020)

Total Marks: 1

We can get an LL(1) grammar by _____.

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Select the correct option

- | | | |
|----------------------------------|------------------------------------------------------|----|
| <input type="radio"/> | Removing left recurrence | // |
| <input type="radio"/> | Applying left factoring | // |
| <input checked="" type="radio"/> | Removing left recurrence and Applying left factoring | // |
| <input type="radio"/> | Applying left recurrence | // |

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Question # 15 of 30 (Start time: 09:04:07 PM, 26 December 2020)

Total Marks: 1

If a _____ picks the wrong production, it may need to backtrack.

Select the correct option

<input type="radio"/>	Scanner	
<input type="radio"/>	Bottom-up parser	
<input checked="" type="radio"/>	Top-down parser	
<input type="radio"/>	Optimizer	

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Question # 17 of 30 (Start time: 09:06:00 PM, 26 December 2020)

Total Marks: 1

_____ always gives a tree like structure as output

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Select the correct option

<input type="radio"/>	Scanner	/
<input type="radio"/>	Optimizer	/
<input checked="" type="radio"/>	Parser	
<input type="radio"/>	Assembler	

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Question # 18 of 30 (Start time: 09:06:43 PM, 26 December 2020)

Total Marks: 1

_____ phase which supports macro substitution and conditional compilation.

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Select the correct option

- Semantic
- Syntax
- Preprocessing
- Postprocessing

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Question # 20 of 30 (Start time: 09:08:19 PM, 26 December 2020)

Total Marks: 1

Front end of two pass compiler takes _____ as input.

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Select the correct option

- Source code
- Intermediate Representation (IR)
- Machine Code
- Machine code

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Question # 21 of 30 (Start time: 09:08:40 PM, 26 December 2020)

Total Marks: 1

The _____ contains a lot of unneeded information.

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Select the correct option

- Parse tree
- Abstract syntax tree
- Complete tree
- Abstract syntax tree

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Question # 23 of 30 (Start time: 09:10:22 PM, 26 December 2020)

Total Marks: 1

The scanner takes _____ as input and maps the character stream into "words" that are the basic unit of syntax.

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Select the correct option

<input type="radio"/>	Words	//
<input checked="" type="radio"/>	Program	//
<input type="radio"/>	Sentences	//
<input type="radio"/>	tokens	//

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Question # 25 of 30 (Start time: 09:12:00 PM, 26 December 2020)

Total Marks: 1

A _____ starts at the root of the parse tree and grows towards leaves.

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Select the correct option

- | | | |
|----------------------------------|-------------------|----|
| <input checked="" type="radio"/> | Top-down parser | // |
| <input type="radio"/> | Bottom-up parser | // |
| <input type="radio"/> | Vertical parser | // |
| <input type="radio"/> | Horizontal parser | // |

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Question # 26 of 30 (Start time: 09:12:36 PM, 26 December 2020)

Total Marks: 1

_____ decides which values to keep in registers in order to avoid memory access.

Select the correct option

<input checked="" type="radio"/>	Back end	✓
<input type="radio"/>	Front end	✓
<input type="radio"/>	Compiler	✓
<input type="radio"/>	Scanner	✓

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Question # 27 of 30 (Start time: 09:13:27 PM, 26 December 2020)

Total Marks: 1

Flex generates lexical analyzer in _____

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Select the correct option

- C or C++
- C
- C++
- Java

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Question # 28 of 30 (Start time: 09:14:12 PM, 26 December 2020)

Total Marks: 1

Which one is NOT the Role of Run-Time System?

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Select the correct option

<input type="radio"/>	Memory management	//
<input type="radio"/>	Garbage collection	//
<input type="radio"/>	Run-time type checking	//
<input checked="" type="radio"/>	Syntax analysis	//

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Question # 29 of 30 (Start time: 09:15:44 PM, 26 December 2020)

Total Marks: 1

_____ are one kind of intermediate representation (IR).

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Select the correct option

- | | | |
|----------------------------------|----------------------|---|
| <input type="radio"/> | Parse tree | / |
| <input checked="" type="radio"/> | Abstract syntax tree | / |
| <input type="radio"/> | Binary tree | / |
| <input type="radio"/> | Complete tree | / |

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Question # 30 of 30 (Start time: 09:16:19 PM, 26 December 2020)

Total Marks: 1

Both leftmost and rightmost derivations give the _____ because the grammar directly encodes the desired precedence.

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Select the correct option

- | | | |
|----------------------------------|----------------------|----|
| <input type="radio"/> | Different expression | // |
| <input type="radio"/> | Reduced expression | // |
| <input checked="" type="radio"/> | Same expression | |
| <input type="radio"/> | Expanded expression | |

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Question # 23 of 30 (Start time: 09:10:22 PM, 26 December 2020)

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Select the correct option

<input type="radio"/>	Words	//
<input checked="" type="radio"/>	Program	//
<input type="radio"/>	Sentences	//
<input type="radio"/>	tokens	//

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Question # 27 of 30 (Start time: 09:13:27 PM, 26 December 2020)

Total Marks: 1

Flex generates lexical analyzer in _____

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Select the correct option

- C or C++
- C
- C++
- Java

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Question # 20 of 30 (Start time: 09:08:19 PM, 26 December 2020)

Total Marks: 1

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Select the correct option

- Source code
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- Machine Code
- Machine code

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Question # 25 of 30 (Start time: 09:12:00 PM, 26 December 2020)

Total Marks: 1

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Select the correct option

- | | | |
|----------------------------------|-------------------|----|
| <input checked="" type="radio"/> | Top-down parser | // |
| <input type="radio"/> | Bottom-up parser | // |
| <input type="radio"/> | Vertical parser | // |
| <input type="radio"/> | Horizontal parser | // |

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Question # 26 of 30 (Start time: 09:12:36 PM, 26 December 2020)

Total Marks: 1

_____ decides which values to keep in registers in order to avoid memory access.

Select the correct option

<input checked="" type="radio"/>	Back end	
<input type="radio"/>	Front end	
<input type="radio"/>	Compiler	
<input type="radio"/>	Scanner	

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