

# 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)

**MADE AND SOLVED BY HADI**

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.



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Best of luck!



Question # 4 of 30 ( Start time: 10:33:47 PM, 29 December 2020 )

Total Marks: 1

If we use array to implement list, then there is an issue that it gives difficulty when:

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Select the correct option

- |                                  |                                |    |
|----------------------------------|--------------------------------|----|
| <input checked="" type="radio"/> | We will access values randomly | // |
| <input type="radio"/>            | We will remove data from it    | // |
| <input type="radio"/>            | We will increase its size      |    |
| <input type="radio"/>            | We will decrease its size      |    |

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Question # 5 of 30 ( Start time: 10:34:54 PM, 29 December 2020 )

Total Marks: 1

The \_\_\_\_\_ of a binary tree is the maximum level of its leaves.

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Select the correct option

Balance

Height

Number of nodes

AVL tree

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Question # 5 of 30 ( Start time: 10:34:54 PM, 29 December 2020 )

Total Marks: 1

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Select the correct option

<input type="radio"/>	Balance	//
<input checked="" type="radio"/>	Height	//
<input type="radio"/>	Number of nodes	
<input type="radio"/>	AVL tree	

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Question # 27 of 30 ( Start time: 10:55:26 PM, 29 December 2020 )

Total Marks:

Which of the following can be used to reverse a string value?

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Select the correct option

- |                                  |               |    |
|----------------------------------|---------------|----|
| <input checked="" type="radio"/> | Stack         | // |
| <input type="radio"/>            | Queue         | // |
| <input type="radio"/>            | Both of these | // |
| <input type="radio"/>            | None of these | // |

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Question # 25 of 30 ( Start time: 10:53:40 PM, 29 December 2020 )

Total Marks: 1

There are \_\_\_\_\_ method(s) to traverse a Binary Search Tree.

Select the correct option

- 1
- 2
- 3
- 4

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Question # 15 of 30 ( Start time: 10:44:03 PM, 29 December 2020 )

Total Marks: 1

Which kind of data structure is used to evaluate postfix expression?

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Select the correct option

<input type="radio"/>	Queue	//
<input checked="" type="radio"/>	Stack	//
<input type="radio"/>	Tree	
<input type="radio"/>	Linked List	

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Question # 13 of 30 ( Start time: 10:42:21 PM, 29 December 2020 )

Total Marks: 1

For a complete binary tree, the depth is calculated as \_\_\_\_\_

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Select the correct option

  $\log_2(\text{number of nodes} + 1) - 1$   $\log_2(\text{number of nodes} + 1) + 1$   $\log_2(\text{number of nodes} - 1) - 1$   $\log_2(\text{number of nodes} - 1) + 1$ **MADE BY HADI**

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Question # 27 of 30 ( Start time: 10:55:26 PM, 29 December 2020 )

Total Marks:

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Select the correct option

- |                                  |               |    |
|----------------------------------|---------------|----|
| <input checked="" type="radio"/> | Stack         | // |
| <input type="radio"/>            | Queue         | // |
| <input type="radio"/>            | Both of these | // |
| <input type="radio"/>            | None of these | // |

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Question # 29 of 30 ( Start time: 10:57:07 PM, 29 December 2020 )

Total Marks: 1

\_\_\_\_\_ rule applies for evaluating operators of same precedence in an expression

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Select the correct option

<input type="radio"/>	right to left	//
<input type="radio"/>	Cascading	//
<input checked="" type="radio"/>	Associative	//
<input type="radio"/>	None of the given	//

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Question # 20 of 30 ( Start time: 10:50:06 PM, 29 December 2020 )

Total Marks:

STL is a \_\_\_\_\_ that is a part of the official standard of C++.

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Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | C program file |
| <input type="radio"/>            | .h file        |
| <input type="radio"/>            | .cpp file      |
| <input checked="" type="radio"/> | Library        |

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Question # 26 of 30 ( Start time: 10:54:37 PM, 29 December 2020 )

Total Marks: 1

\_\_\_\_\_ is a self-balancing tree.

Select the correct option

<input type="radio"/>	AVL	
<input type="radio"/>	Binary Tree	
<input checked="" type="radio"/>	Binary Search Tree	
<input type="radio"/>	ALV	

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Question # 25 of 30 ( Start time: 10:53:40 PM, 29 December 2020 )

Total Marks: 1

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Select the correct option

- 1
- 2
- 3
- 4

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Question # 14 of 30 ( Start time: 10:43:22 PM, 29 December 2020 )

Total Marks: 1

The postfix form of the expression  $A + B * C$  and  $(A + B) * C$  will be \_\_\_\_\_.

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Select the correct option

- |                                  |                    |  |
|----------------------------------|--------------------|--|
| <input checked="" type="radio"/> | Same               |  |
| <input type="radio"/>            | Different          |  |
| <input type="radio"/>            | Equilateral        |  |
| <input type="radio"/>            | None of the above. |  |

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Question # 19 of 30 ( Start time: 10:48:38 PM, 29 December 2020 )

Total Marks: 1

Stack can be implemented by which of the following data structure?

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Select the correct option

- |                                  |           |    |
|----------------------------------|-----------|----|
| <input checked="" type="radio"/> | Array     | // |
| <input type="radio"/>            | BST       | // |
| <input type="radio"/>            | AVL       |    |
| <input type="radio"/>            | Skip list |    |

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Question # 6 of 30 ( Start time: 10:36:17 PM, 29 December 2020 )

Total Marks:

We can make a lexicographic order of characters based on their \_\_\_\_\_.

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Select the correct option

<input type="radio"/>	Memory addresses	//
<input checked="" type="radio"/>	ASCII values	//
<input type="radio"/>	Binary digits	
<input type="radio"/>	Random choice	

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- 2) QUIZZES
- 3) GDB
- 4) GRAND QUIZZES

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Quizzes, GDBs, Grand Quizzes  
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