

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL: 03087122922

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



FACEBOOK ID: <https://www.facebook.com/hadipastpapers/>

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

- | | | |
|----------------------------------|--------------------------------|--|
| ☒ | We will access values randomly | |
| ☐ | We will remove data from it | |
| ☐ | We will increase its size | |
| ☐ | 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

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 # 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?

Select the correct option

☒	Stack
☐	Queue
☐	Both of these
☐	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

☐	Queue
☒	Stack
☐	Tree
☐	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

- | | |
|----------------------------------|---|
| ☒ | $\log_2 (\text{number of nodes} + 1) - 1$ |
| ☐ | $\log_2 (\text{number of nodes} + 1) + 1$ |
| ☐ | $\log_2 (\text{number of nodes} - 1) - 1$ |
| ☐ | $\log_2 (\text{number of nodes} - 1) + 1$ |

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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?

Select the correct option

☒	Stack
☐	Queue
☐	Both of these
☐	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

☐	right to left	///
☐	Cascading	///
☒	Associative	///
☐	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

☐	C program file	
☐	.h file	
☐	.cpp file	
☒	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

☐	AVL
☐	Binary Tree
☒	Binary Search Tree
☐	ALV

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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 # 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

☒	Same
☐	Different
☐	Equilateral
☐	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

☒	Array
☐	BST
☐	AVL
☐	Skip list

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

Total Marks: 1

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

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Select the correct option

- | | |
|----------------------------------|------------------|
| ☐ | Memory addresses |
| ☒ | ASCII values |
| ☐ | Binary digits |
| ☐ | Random choice |

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- 4) GRAND QUIZZES

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