

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
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(Final Term Past Paper)

MADE AND SOLVED BY TEAM 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 # 1 of 10 (Start time: 04:48:55 PM, 20 July 2020)

Total Marks: 1

Radix sort performs sorting the numbers _____ digit(s) at a time.

FIRST QUIZ AFTER GRAND QUIZ (COVID-19)

Select the correct option

<input checked="" type="radio"/>	One
<input type="radio"/>	Two
<input type="radio"/>	Three
<input type="radio"/>	All

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Question # 2 of 10 (Start time: 04:50:36 PM, 20 July 2020)

Total Marks: 1

If there are $\Theta(n^2)$ entries in edit distance matrix then the total running time is:

Select the correct option

<input type="radio"/>	$\Theta(n)$
<input type="radio"/>	$\Theta(1)$
<input checked="" type="radio"/>	$\Theta(n^2)$
<input type="radio"/>	$\Theta(n \log n)$

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Question # 3 of 10 (Start time: 04:52:02 PM, 20 July 2020)

Total Marks: 1

If a matrix has three rows and two columns, then dimensions of matrix will be:

Select the correct option

- | | |
|----------------------------------|-------|
| <input checked="" type="radio"/> | 3 x 2 |
| <input type="radio"/> | 2 x 3 |
| <input type="radio"/> | 3 x 3 |
| <input type="radio"/> | 2 x 2 |
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Question # 10 of 10 (Start time: 05:02:04 PM, 20 July 2020)

Total Marks: 1

Quicksort is a/an _____ and _____ sorting algorithm.

Select the correct option

<input type="radio"/>	Not in-place, not stable one	//
<input type="radio"/>	In-place, not stable one	//
<input checked="" type="radio"/>	In-place, stable one	//
<input type="radio"/>	Not in-place, stable one	//

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Question # 5 of 10 (Start time: 04:55:26 PM, 20 July 2020)

Total Marks: 1

Radix sort is not a non-comparative integer sorting algorithm.

Select the correct option

True



False

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Question # 7 of 10 (Start time: 04:57:51 PM, 20 July 2020)

Total Marks: 1

When a recursive algorithm revisits the same problem over and over again, we say that the optimization problem has _____ sub-problems.

Select the correct option

<input type="radio"/>	non overlapping
<input checked="" type="radio"/>	Overlapping
<input type="radio"/>	Over costing
<input type="radio"/>	Optimized

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Question # 6 of 10 (Start time: 04:55:58 PM, 20 July 2020)

Total Marks: 1

In generating Fibonacci Sequence, we can avoid unnecessary repetitions by _____ process.

Ans: By using Fibonacci Sequence We can avoid this unnecessary repetition by writing down the results of recursive calls and looking them up again if we need them later. This process is called memoization.

Select the correct option

<input type="radio"/>	Tokenization	//
<input checked="" type="radio"/>	Memoization	//
<input type="radio"/>	Randomization	//
<input type="radio"/>	Memorization	//

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Question # 9 of 10 (Start time: 05:01:30 PM, 20 July 2020)

Total Marks: 1

Dynamic Programming comprises of _____

Select the correct option

- Recursion only
- Repetition only
- Recursion with Repetition
- No Repetition but Recursion

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