18CSC350T-Comprehension Test 1

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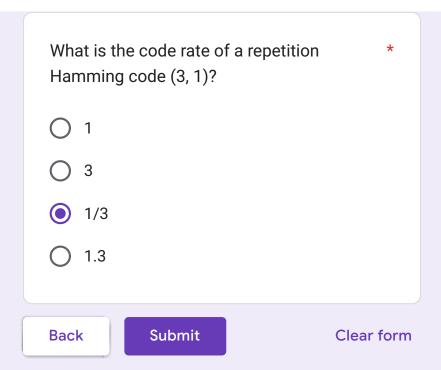* Required

Analysis and Design of Algorithms

Kruskal's algorithm is used to _____

- ● find minimum spanning tree
- ○ find single source shortest path
- ○ find all pair shortest path algorithm
- ○ traverse the graph

Clear selection

Prim's algorithm is a _____ *

○ Divide and conquer algorithm

● Greedy algorithm

○ Dynamic Programming

○ Approximation algorithm

How many solutions are there for 8 queens *
on 8*8 board?

○ 12

○ 91

● 92

○ 93

Which of the following methods can be *
used to solve the Knapsack problem?

○ Brute force algorithm

○ Recursion

○ Dynamic programming

● Brute force, Recursion and Dynamic
Programming

What is the code rate of a repetition Hamming code (3, 1)? *

○ 1

○ 3

◉ 1/3

○ 1.3

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