

# COL351 Quiz 3

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TOTAL POINTS

7.5 / 10

## QUESTION 1

1 Q1 5 / 5

! + 5 pts Correct

ff + 0 pts Incorrect

ff + 4 pts Algorithm + Reasoning

ff + 1 pts  $O(n \cdot \log(n))$  Time Complexity Reasoning

## QUESTION 2

2 Q2 2.5 / 5

ff + 0 pts Incorrect

2(a)

! + 2.5 pts 2(a) Correct

ff + 0 pts 2(a) Incorrect

ff + 2 pts 2(a) 10 Iteration of FF Algorithm

ff + 0.5 pts 2(a) Time Complexity and Reasoning

2(b)

ff + 5 pts 2(b) Correct

ff + 0 pts 2(b) Incorrect

ff + 2.5 pts 2(b) Unique min-cut if S,T forms a partition of V

ff + 2 pts 2(b) Correctness

ff + 0.5 pts 2(b) Time Complexity and Reasoning

ff + 1 pts 2(b) Partial Correctness

1 ff 10 iterations are required.

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ff + 1 pts 2(b) Partial Correctness

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