

CS2443 Quiz 1

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TOTAL POINTS

5 / 10

QUESTION 1

1 Question 1 0 / 3

- + **1 pts** Correct recurrence relation
- + **0.5 pts** $T(n)=O(n)$
- + **0.5 pts** $T(n)=\Omega(n)$
- + **1 pts** Proving the upper bound
- + **0.5 pts** Proof with some errors.
- ✓ + **0 pts** The answer is incorrect/not attempted.

QUESTION 2

2 Question 2(a) 1 / 3

- + **1 pts** $T(n)=O(n)$
- + **2 pts** complete proof /correct proof
- + **1.5 pts** almost correct
- ✓ + **1 pts** incomplete proof/wrong proof
- + **0.5 pts** some attempt
- + **0 pts** not attempted/totally wrong

QUESTION 3

3 Question 2(b) 2 / 2

- ✓ + **1 pts** Correct upper bound
- ✓ + **1 pts** correct proof
- + **0.5 pts** incorrect proof
- + **0 pts** incorrect upper bound
- + **0 pts** incorrect proof
- + **0 pts** submitted Answer to Q3 instead of 2b
- + **0 pts** Not written answer to Q_2b

QUESTION 4

4 Question 3 2 / 2

- ✓ + **2 pts** All steps correct
- + **1 pts** Correct statement without complete proof
- + **0 pts** Answer is incorrect/not attempted.
- + **1 pts** One or more incorrect steps
- + **1.5 pts** Could have articulated better.

1 Question 1 0 / 3

- + 1 pts Correct recurrence relation
- + 0.5 pts $T(n)=O(n)$
- + 0.5 pts $T(n)=\Omega(n)$
- + 1 pts Proving the upper bound
- + 0.5 pts Proof with some errors.
- ✓ + 0 pts The answer is incorrect/not attempted.

2 Question 2(a) 1 / 3

- + 1 pts $T(n)=O(n)$
- + 2 pts complete proof /correct proof
- + 1.5 pts almost correct
- ✓ + 1 pts incomplete proof/wrong proof
- + 0.5 pts some attempt
- + 0 pts not attempted/totally wrong

3 Question 2(b) 2 / 2

✓ + 1 pts Correct upper bound

✓ + 1 pts correct proof

+ 0.5 pts incorrect proof

+ 0 pts incorrect upper bound

+ 0 pts incorrect proof

+ 0 pts submitted Answer to Q3 instead of 2b

+ 0 pts Not written answer to Q_2b

4 Question 3 2 / 2

✓ + 2 pts All steps correct

+ 1 pts Correct statement without complete proof

+ 0 pts Answer is incorrect/not attempted.

+ 1 pts One or more incorrect steps

+ 1.5 pts Could have articulated better.