

## CS 2501: DSA2 Quizzes

**Name** \_\_\_\_\_

You **MUST** write your e-mail ID on **EACH** quiz page that you choose to complete. Please put your name on the top of each page you complete as well.

You may complete up to two pages of this quiz booklet. If you complete more than that, we will only grade two of the pages (which two is up to our discretion).

There are 10 pages to this quiz booklet. Once the time starts, please make sure you have all the pages.

This quiz is **CLOSED** text book, closed-notes, closed-calculator, closed-cell phone, closed-computer, closed-neighbor, etc. Questions are worth different amounts, so be sure to look over all the questions and plan your time accordingly. Please sign the honor pledge below.

---

---

---

---

---

*A crash reduces  
Your expensive computer  
To a simple stone.*

**Graphs - Basic**

1. [1 points] Answer the short answer question that was selected.

2. [1 points] Answer the coding question that was selected

**Graphs - Advanced**

3. [1 points] Answer the short answer question that was selected.

4. [1 points] Answer the coding question that was selected

**Find-Union: Prims and Kruskals**

5. [1 points] Answer the short answer question that was selected.

6. [1 points] Answer the coding question that was selected

**Greedy Algorithms: Basic**

7. [1 points] Answer the short answer question that was selected.

8. [1 points] Answer the coding question that was selected

**Greedy Algorithms: Advanced**

9. [1 points] Answer the short answer question that was selected.

10. [1 points] Answer the coding question that was selected

**Divide and Conquer: Basic**

11. [1 points] Answer the short answer question that was selected.

12. [1 points] Answer the coding question that was selected

**Divide and Conquer: Advanced**

13. [1 points] Answer the short answer question that was selected.

14. [1 points] Answer the coding question that was selected



**Dynamic Programing: Basic**

15. [1 points] Answer the short answer question that was selected.

16. [1 points] Answer the coding question that was selected

**Dynamic Programming: Advanced**

17. [1 points] Answer the short answer question that was selected.

18. [1 points] Answer the coding question that was selected