



## Review Test Submission: Module 11 Quiz

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Course	CSC 385 D: Data Structures & Algorithms (Spring 2020)
Test	Module 11 Quiz
Started	5/6/20 2:00 AM <small>LATE</small>
Submitted	5/6/20 2:04 AM <small>LATE</small>
Due Date	4/13/20 11:00 PM
Status	Completed
Attempt Score	10 out of 10 points
Time Elapsed	3 minutes
Results Displayed	Submitted Answers, Correct Answers, Feedback

### Question 1

2 out of 2 points

In which of the following structures are duplicate **items** allowed?

Selected Answer:  maps and hashtables

Correct Answer:  maps and hashtables

### Question 2

2 out of 2 points

The fraction of a hashtable that is full is known as the:

Selected Answer:  load factor

Correct Answer:  load factor

### Question 3

2 out of 2 points

Primary clustering occurs with (select all that apply):

Selected Answers:  linear probing

Correct Answers:  linear probing

### Question 4

2 out of 2 points

To minimize collisions, the internal array supporting a hashtable is typically resized to a(n);

Selected Answer:  prime integer

Correct Answer:  prime integer

## Question 5

2 out of 2 points

A good hashing function includes the following properties (select all that apply):

Selected  It should generate only non-negative values when computing array indexes.

Answers:

 It should generate evenly distributed hashcodes.



It should be capable of utilizing every available array cell (i.e., for each array cell there should exist some item that can be mapped to by some item using the hash function).

Correct  It should generate only non-negative values when computing array indexes.

Answers:

 It should generate evenly distributed hashcodes.



It should be capable of utilizing every available array cell (i.e., for each array cell there should exist some item that can be mapped to by some item using the hash function).

Tuesday, May 12, 2020 11:23:32 AM CDT

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