**CR1350 Assignment #2**

**Due:** June 13th before 11:59PM.

**IMPORTANT:** The Dropbox will close at 12AM and no assignments will be accepted after that!

Answer all questions on the document!

DO NOT CREATE YOUR OWN! Marks will be lost!

**Question 1:**   
What is the purpose of an operating system?

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**Question 2:**   
You are working on a computer system and notice that the CPU temperature is unusually high. What steps would you take to address this issue?

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**Question 3:**   
Define binary representation.

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**Question 4:**   
Define cache memory and its purpose.

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**Question 5:**   
Your computer system is experiencing intermittent network connectivity issues. How would you troubleshoot and resolve this issue?

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**Question 6:**   
Your computer system is experiencing frequent crashes when running a particular application. How would you troubleshoot this issue?

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**Question 7:**   
Describe the difference between serial and parallel processing.

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**Question 8:**   
Your computer system is running slowly, and programs are taking longer than usual to respond. What steps would you take to improve performance?

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**Question 9:**   
You are upgrading the RAM in your computer system. What precautions would you take to ensure a successful installation?

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**Question 10:**   
Your computer system is displaying distorted graphics or artifacts on the screen. What steps would you take to troubleshoot and resolve this issue?

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