

Name _____ SAMPLE _____

Last 4 digits of Student #: _____

GRADE: _____/100

CSE 6331, Cloud Computing
Quiz 3, Summer 2012 © DL, UTA, 2012

Please read this:

This is a closed book, closed notes quiz. Use a dark ink (or pencil) and print answers on the test paper following the questions.

Please answer the questions in a **few keywords**, complete sentences are not necessary, **be brief! Write** your answers **legibly**. Unreadable answers will be counted wrong.

Please - no talking! You may write on back. Please turn in quiz promptly, when asked.

1. Netflix on the Amazon Cloud:

(a) Uses both SQL and NoSQL databases. Why (how is each used)?

(b) Many people argue that Netflix uses only Amazon storage, computation (processing) is minimal (almost none). Is this accurate? Why?

(c) What are two advantages of Netflix using AWS rather than their own clusters?

2. We wish to create a shareable calendar, the calendar contains one single week of five workdays, for the times 8:00 to 20:00. Users may add (or edit) events in their calendar (hourly) and schedule meetings which "automatically" check other peoples calendars to see if there are conflicts. This will be a web-based application running on either AWS or Azure.

(a) Sketch (draw) the design of this system - what does the browser do, storage, computation? (What is stored where, how?, What is done on the server?)

(b) How would you implement this system: programming language, development environment, OS and middleware, tools? How does the system get deployed?

(Step by step, between 5 to 20 steps, a few words each.)