CS 205 Final Exam: D. Hepting
April 23, 2019, 14:00 – 17:00, CL 410

- ***Be sure to read ALL the instructions BEFORE writing anything***. This is a closed book exam. You must maintain the confidentiality of your examination; do not provide any opportunity for others to copy any of your work. Electronic devices are NOT permitted during the exam. Please turn off and put away all cell phones and other electronic devices during the exam period.
- ***All answers must be written on this exam in the space provided***. You have 180 minutes to complete the exam. Please plan your answers, favour quality over quantity, do not exceed the space provided, and do your best to write legibly. Space ***OUTSIDE*** the boxes can be used for rough work.
- This exam contributes 25 percent towards your final grade. Recall that you ***must pass*** this exam to pass the course. The number of points for each question is noted in parentheses with the question.

Name (printed): _____

Signature: _____

Q1.   Which is the more appropriate adjective for the subject of this course? (2)

☐ multimedia
☐ unimedia
☐ BOTH unimedia AND multimedia
☐ NEITHER unimedia NOR multimedia

Please explain (2)

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Q2.   Which colour model is most intuitive? (2)

☐ RGB
☐ CMYK
☐ HSB
☐ HSBC

Please explain the relationship between RGB and HSB(C) (2)

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Q3.   In order to create a sufficiently accurate discrete representation of a continuous phenomenon, what roles are played by sampling and quantization? Give 2 different examples.

Example 1 (2):

Example 2 (2):

Q4.   For what is MIDI an abbreviation (2)?

M_____I_____D_____I_____
__
Extend the ideas of vector and bitmap to describe sound files (2):

Q5.   More information means (2):

☐ more surprise
☐ less entropy
☐ nothing
☐ too much

Q6.   Using the example of limited display memory on a computer system, describe the tradeoff between sampling and quantization (4)

Q7.   For 3D graphics, how do you know which way is positive z (2)?

☐ it doesn't matter
☐ positive z will be towards the viewer
☐ positive z will be away from the viewer
☐ it depends on x and y

Q8.   If you were asked to reinterpret a sound recording as an image, how would you proceed? What choices would you need to make? (4)

Q9. Describe your favourite lab in relation to the concepts from the course (4).

Q10. What was something that was missing from class or that you would have liked to explore more fully (4)?
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