

Sample Final Questions for SymbSys 100

Spring 05, Jurafsky & Richardson

Final Exam is on June 3rd, 3pm in 420:041

Multiple Choice questions – Each are worth 2 points
(On the final, you will be given 16 of these)

(1)

Simons and Levin reviewed a number of studies that look into change blindness in one of the readings we did for class. Which one of the statements is NOT true?

- a) During fast eye movements (saccades), we are less likely to see changes.
- b) The flicker paradigm is used to simulate saccades.
- c) Change blindness only occurs for details in the periphery.
- d) Memory for objects in the world seems to be very short.

(2)

Subjects heard the sentence “I rowed the boat to the river bank [1] and quickly jumped ashore [2]” At either point 1 or point 2 with word “money” or “monep” was flashed onscreen and subjects performed a lexical decision. Swinney’s results suggest that subjects responses would respond faster to “money” at

- e) 1 but not 2
- f) 2 but not 1
- g) both 1 and 2
- h) neither 1 nor 2

Short Essay questions – each are worth 12 points
(On the final, you will be given 6 of these and asked to answer 4)

1.

- i. Give an example of a 'bottom up' illusion and explain it in terms of low level mechanisms in our visual system (4)
- ii. Given an example of a 'top down' illusion and explain how it is produced. (4)
- iii. Explain the assertion that, "In a sense, visual illusions are demonstrations of the strengths of the visual system, rather than its weaknesses". (4)

2.

Sitting in front of me are my cat, Sammy, and my laptop computer, Roger. Defining "intelligence" such that I am more intelligent than either of them,

- i. Make the argument that Roger is more intelligent than Sammy (use Turing's ideas). (5)
- ii. Make the argument that Sammy is more intelligent than Roger (use Brooks' ideas) (5)
- iii. Who do you think is smarter? (2)

3.

Examine the following sets of sentences, each of which includes words or phrases used metaphorically

- a) She gave him an icy stare.
He gave her the cold shoulder.
He exudes a lot of warmth toward people
They got into a heated argument.
- b) He drops a lot of hints.
The committee picked up on the issue.
She dumps all her problems on her friends
Although he disagreed, he let it go.
- c) the eye of a needle
the foot of the bed
the hands of the clock
the arm of a chair
the table legs
- d) This lecture is easy to digest
He just eats up the lecturer's words
Chew on this thought for a while.
Listen to this juicy piece of gossip.

For each set of sentences

- i. Identify the words or phrases that are used metaphorically in each sentence. (4)
- ii. What is the Source domain of the metaphor here? (3)
- iii. What is the Target domain? (3)
- iv. Give the metaphor (in the form 'Target IS Source'). (2)