



University College Dublin
An Coláiste Ollscoile, Baile Átha Cliath

MIDTERM EXAMINATION - 2013/2014 (Paper 1)

INTRODUCTION TO COGNITIVE SCIENCE

COMP 20090

Mr John Dunnion
Dr F. Cummins*

Time allowed: 45 mins

Instructions for Candidates:

Answer 7 of the 10 questions. Keep your answers short. Two or three sentences (maximum half a page) per question should suffice. If you answer more than 7 questions, please indicate which 7 should be graded. Otherwise, the first 7 questions only will be graded.

All questions carry equal marks.

Q1: Describe Classical Conditioning (Pavlov) and Operant Conditioning (Skinner). Make the difference between them clear.

Q2: What is the difference between the disciplines of Phonology and Phonetics?

Q3: What are the two principal roles language plays in human affairs?

Q4: What is the brain-in-a-vat thought experiment?

Q5: Psychophysics attempts to capture the lawful relation between measurable physical quantities and perceived properties. Provide one example of such a mapping.

Q6: Roman numerals and Arabic numerals both represent the same information. Discuss the difference between the two forms of representation.

Q7: Illustrate, using an example from lectures, how language can allow you to do things you would not otherwise be able to do.

Q8: In Vygotsky's view, what is the relationship between language and thought in young children?

Q9: Distinguish between altricial and precocial skill sets.

Q10: The Thatcher effect illustrates a remarkable aspect of our perception of faces. What is the Thatcher effect?