



THE UNIVERSITY OF ADELAIDE

HONOURS PSYCHOLOGY (PSYCHOL 4000A)

DISSOCIABLE SYSTEMS IN COGNITION

SCHOOL OF PSYCHOLOGY

JUNE 2007

Time: 3 hours

(In addition, candidates are allowed ten minutes before the examination begins to read the paper.)

ANSWER FOUR (4) ONLY OF THE FOLLOWING SEVEN QUESTIONS

1. Discuss the analogy of Plato's allegory of the cave to the project of cognitive psychology.
2. What are functional dissociations? Illustrate your answer with at least two studies.
3. Describe in detail one study that uses dissociation logic to support the claim to that there is more than one underlying mental process/systems/functions. Outline the strengths and weaknesses of this particular claim.
4. What is Shallice's resource artifact explanation of dissociations? Discuss the patterns of data it can and cannot explain.
5. What is a "reversed association"? Outline the argument proposed by Dunn & Kirsner (1988) supporting the kind of inferences that can be drawn from this pattern of data.
6. Outline the main principles of "state trace analysis". Discuss the implications of this approach for empirical research in psychology.
7. Loftus, Oberge & Dillon (2004) applied state trace analysis to an investigation of the "face inversion effect". As well as reporting empirical data, they drew a distinction between "linear theory" and "dimensional theory" in relation to the analysis of these data. Briefly outline the results they found and discuss the implications of the two types of theory for its analysis.

END OF EXAMINATION