



THE UNIVERSITY OF ADELAIDE

HONOURS PSYCHOLOGY (PSYCHOL 4000B)

DISSOCIABLE SYSTEMS IN COGNITION

SCHOOL OF PSYCHOLOGY

NOVEMBER 2006

Time: 3 hours

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

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**ANSWER FOUR (4) ONLY OF THE FOLLOWING SIX QUESTIONS**

1. What are functional dissociations? Illustrate your answer with at least two studies.
2. Describe in detail one study that used 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.
3. What is Shallice's resource artifact explanation of dissociations? Discuss the patterns of data it can and cannot explain.
4. 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.
5. Shallice (1988, p. 248), wrote that "if modules exist, then ... double dissociations are a reliable way of uncovering them." Discuss this quote in light of Shallice's program for cognitive psychology and the criticism offered by Van Orden, Pennington & Stone (2001).
6. Outline the main principles of "state trace analysis". Discuss the implications of this approach for empirical research in psychology.

**END OF EXAMINATION**