



THE UNIVERSITY OF ADELAIDE

4702 -- HONOURS PSYCHOLOGY (PSYCHOL 4000B)

CURRENT TOPICS IN HUMAN INTELLIGENCE RESEARCH

SCHOOL OF PSYCHOLOGY

NOVEMBER 2006

Time: 3 hours

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

ANSWER ONE QUESTION FROM EACH SECTION

Section A

- Q1. Give an account of the evolution of the Cattell-Horn-Carroll theory of cognitive abilities.
- Q2. Describe and discuss how mental speed has been conceptualised and investigated within intelligence research.
- Q3. Describe and evaluate the evidence on the relationship between sustained attention and intelligence.

Section B

- Q4. Ackerman, Beier and Boyle (2005) have attempted to evaluate critically whether working memory, a construct from experimental cognitive psychology, relates to psychometric definitions of intelligence. Outline their conclusions, including a summary of the evidence upon which these conclusions are based.

PLEASE TURN OVER

Q5. Deary and others have recently published extensively on the topic of human ageing. This has been retrospective research, derived from Scottish Mental Surveys of 11 year-old children completed in the first half of the 20th century. Outline the conclusions of Deary and his co-researchers, including a summary of the evidence from which these conclusions derive.

Q6. Inspection time (IT) research at Adelaide has been sustained for some 30 years by the observation that there are individual differences in IT. Moreover, these appear to relate in some way to intelligence. What is known about this relationship? What relevance may it have?

END OF EXAMINATION PAPER