

NATURAL SCIENCES TRIPOS Part IB
NATURAL SCIENCES TRIPOS Part II (General)
NATURAL SCIENCES TRIPOS Preliminary Examination for Part II
Psychology

Tuesday 6 June 2006 1.30 to 4.30

EXPERIMENTAL PSYCHOLOGY II

Answer ALL questions.

Each section carries equal marks.

Within each section the first question carries one third of the marks available and the second questions carries two thirds of the marks. Candidates are advised to allocate their time to each question accordingly.

Answers from each Section must be tied up in a separate bundle, with the letter of the Section written on each cover sheet.

*Write your number **not** your name on the cover sheet for each Section.*

STATIONERY REQUIREMENTS

Loose script paper

Cover sheets

<p>You may not start to read the questions printed on the subsequent pages of this question paper until instructed that you may do so by the Invigilator.</p>

SECTION A

1) Give a short account of TWO of the following:

- a) Change blindness
- b) Covert orienting
- c) Theories of colour perception
- d) The difference between the prototype effect and the exemplar effect

2) Write an essay to answer ONE of the following questions:

- a) Describe the major assumptions of the Cohort Model of word comprehension. Describe evidence in favour of the model.
- b) What is perceptual constancy? How is it achieved and why is it necessary?

SECTION B

3) Give a short account of TWO of the following:

- a) The utility of Milgram's experiments
- b) The halo effect
- c) Conformity
- d) Gain-loss theory

4) Write an essay to answer ONE of the following questions:

- a) What attribution biases do people make, and why?
- b) How can attitudes be changed?

SECTION C

5) Give a short account of TWO of the following:

- a) The thematic facilitation effect
- b) Cognitive models of depression
- c) Reliability and validity of IQ tests
- d) Genetics of schizophrenia

6) Write an essay to answer ONE of the following questions:

- a) To what extent are treatments for Obsessive-Compulsive Disorder related to cognitive models of the disorder?
- b) Could the heritability of IQ realistically ever be zero?

END OF PAPER