

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

Thursday 29 May 2008

9.00 to 12.00

EXPERIMENTAL PSYCHOLOGY I

Respond to both parts of each section as indicated.

Each section carries equal marks.

Within each section, each short account carries one-sixth of the marks available and the essay carries two-thirds of the marks available. Candidates are advised to allocate their time to each question accordingly (approximately 10 minutes per short account and 40 minutes per essay).

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

**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.**

SECTION A

1. *Give a short account of TWO of the following:*
 - (a) Role of the pinna in sound localisation
 - (b) Sternberg's additive factors method
 - (c) Principle of univariance
 - (d) "Depth of processing" in memory

2. *Write an essay on ONE of the following:*
 - (a) When single words are excised from continuous conversational speech and presented in isolation they are often difficult or impossible to understand. What are the implications of this finding? How can it be reconciled with the fact that the continuous speech itself may be highly intelligible?
 - (b) How does Shallice's supervisory attentional system provide an account of the control of behaviour?

SECTION B

3. *Give a short account of TWO of the following:*
 - (a) Phase locking in the auditory system
 - (b) Instrumental conditioning
 - (c) Unilateral neglect
 - (d) Cognitive appraisal in emotion (Schachter's theory)

4. *Write an essay on ONE of the following:*
 - (a) Why do surprising outcomes generate associative learning?
 - (b) Evaluate the relationship between emotion and rationality in human decision making.

TURN OVER

SECTION C

5. *Give a short account of TWO of the following:*
 - (a) Intention reading in lexical development
 - (b) Face processing in infancy
 - (c) Goal-directed action in infancy
 - (d) The Strange Situation test of attachment

6. *Write an essay on ONE of the following:*
 - (a) Did Piaget give a misleading account of infancy?
 - (b) What processes underlie the development of a theory of mind in early childhood? How might an abnormality in these processes affect development?

END OF PAPER

