

General Certificate of Education  
June 2005  
Advanced Level Examination



**PSYCHOLOGY (SPECIFICATION A) PYA4**  
**Unit 4 Social Psychology, Physiological Psychology,  
Cognitive Psychology, Developmental  
Psychology and Comparative Psychology**

Friday 17 June 2005 9.00 am to 10.30 am

**In addition to this paper you will require:**  
a 16-page answer book.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use blue or black ink or ball-point pen.
- Write the information required on the front of your answer book. The *Examining Body* for this paper is AQA. The *Paper Reference* is PYA4.
- Answer **three** questions in total. These must be taken from **at least two** different Sections.
- Do all rough work in the answer book. Cross through any work you do not want marked.

**Information**

- The maximum mark for this paper is 76.
- Mark allocations are shown in brackets.
- In addition to the mark allocations indicated within the paper, you will be awarded up to 4 marks for your ability to organise and present information, ideas, descriptions and arguments clearly and logically. Account will be taken of your use of grammar, punctuation and spelling and the legibility of your handwriting.

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Answer **three** questions in total. These must be taken from **at least two** different Sections.

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### SECTION A – SOCIAL PSYCHOLOGY

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- 1 Discuss research (theories **and/or** studies) into perception of the social world (e.g. social representations, social and cultural stereotyping). *(24 marks)*
  - 2 Outline and evaluate **two or more** psychological explanations of love. *(24 marks)*
  - 3 Outline and evaluate **one or more** explanations of human altruism **and/or** bystander behaviour. *(24 marks)*
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### SECTION B – PHYSIOLOGICAL PSYCHOLOGY

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- 4 Outline and evaluate **one** invasive and **one** non-invasive method used to investigate the brain. *(24 marks)*
  - 5 (a) Outline research (theories **and/or** studies) into **one or more** forms of biological rhythms (e.g. circadian, infradian, ultradian rhythms). *(12 marks)*  
(b) Assess the consequences of disrupting biological rhythms. *(12 marks)*
  - 6 Critically consider the role of brain structures in emotion. *(24 marks)*
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### SECTION C – COGNITIVE PSYCHOLOGY

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- 7 Outline and evaluate **two or more** explanations of pattern recognition (e.g. template and feature detection theories). *(24 marks)*
- 8 Discuss the nature-nurture debate with respect to perceptual development. *(24 marks)*
- 9 Critically consider research (theories **and/or** studies) into the process of language acquisition. *(24 marks)*

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**SECTION D – DEVELOPMENTAL PSYCHOLOGY**

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- 10 Describe and evaluate Vygotsky's theory of cognitive development. *(24 marks)*
- 11 (a) Outline and evaluate **one** psychodynamic explanation of personality development. *(12 marks)*
- (b) Outline and evaluate **one** social learning explanation of personality development. *(12 marks)*
- 12 Discuss **two or more** explanations of adjustment to old age. *(24 marks)*
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**SECTION E – COMPARATIVE PSYCHOLOGY**

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- 13 Discuss evidence for intelligence in non-human animals. *(24 marks)*
- 14 Discuss research (explanations **and/or** studies) into memory in non-human animals. *(24 marks)*
- 15 Critically consider evolutionary explanations of sex differences in parental investment. *(24 marks)*

**END OF QUESTIONS**

**THERE ARE NO QUESTIONS PRINTED ON THIS PAGE**