

Centre Number						Candidate Number				
Surname										
Other Names										
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General Certificate of Education
Advanced Subsidiary Examination
June 2013

Psychology (Specification A) PSYA1

**Unit 1 Cognitive Psychology, Developmental Psychology
and Research Methods**

Wednesday 22 May 2013 9.00 am to 10.30 am

You will need no other materials.

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 72.
- Question 8 should be answered in continuous prose. You may use the space provided to plan your answer. In Question 8, you will be assessed on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

For Examiner's Use	
Examiner's Initials	
Question	Mark
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TOTAL	



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PSYA1

Section A Cognitive Psychology and Research Methods

Answer **all** questions in the spaces provided.

Total for this question: 4 marks

1 According to the multi-store model of memory, there are several ways in which short-term memory and long-term memory differ.

Explain how the findings of **one or more** studies demonstrate that short-term memory and long-term memory are different.

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(4 marks)

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Total for this question: 4 marks

2 Briefly describe the working memory model.

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Turn over for the next question

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Total for this question: 16 marks

3 A researcher investigated whether memory for words presented with pictures was better than memory for words presented without pictures. The researcher used an independent groups design.

In **Condition 1**, participants were given a limited time to learn a list of 20 words. They were then asked to recall the 20 words in any order.

In **Condition 2**, participants were given the same time to learn the same 20 words, but this time each word was presented with a picture. For example, the word 'apple' was presented alongside a picture of an apple. They were then asked to recall the 20 words in any order.

3 (a) A pilot study is a small-scale investigation carried out before the main study.

Explain why it would be appropriate for this researcher to use a pilot study. In your answer you must refer to details of the experiment given above.

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3 (b) State a non-directional hypothesis for this experiment.

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(2 marks)

3 (c) Explain **two** reasons why it was more appropriate to use an independent groups design than a repeated measures design.

Reason 1

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Reason 2

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(2 marks + 2 marks)

Question 3 continues on the next page

Turn over ►



Table 1: The range and median number of words correctly recalled for participants shown words without pictures and for participants shown words with pictures

	Condition 1 Words without pictures	Condition 2 Words with pictures
Median number of words correctly recalled	13	16
Range	11	13

3 (d) What do the scores in **Table 1** show?

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(2 marks)

After he had carried out the experiment, the researcher noticed that one participant in **Condition 1** had recalled all 20 words. The researcher thought that this participant might have used a strategy for memory improvement, even though he had not been told to do so.

3 (e) Identify a memory improvement strategy that this participant might have used. Explain how this strategy could have been used to learn the list of 20 words.

Memory improvement strategy

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Explanation

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(1 mark + 3 marks)



Extra space

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16

Turn over for the next question

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Total for this question: 4 marks

5 Outline how a cognitive interview can be used to improve the accuracy of eyewitness testimony (EWT).

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Section B Developmental Psychology and Research Methods

Answer **all** questions in the spaces provided.

Total for this question: 2 marks

6 What is meant by the term 'attachment'?

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(2 marks)

2

Turn over for the next question

Turn over ►



Total for this question: 6 marks

7 When Max was born, his mother gave up work to stay at home and look after him. Max's father works long hours and does not have much to do with the day-to-day care of his son. Max is now nine months old and he seems to have a very close bond with his mother.

Use learning theory to explain how Max became attached to his mother rather than to his father.

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(6 marks)

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Total for this question: 12 marks

8 Outline and evaluate research into cultural variations in attachment.

You may use this space to plan your answer

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Total for this question: 12 marks

A psychologist wanted to investigate the effects of age of adoption on aggressive behaviour. He compared children who had been adopted before the age of two with children who had been adopted after the age of two. The children were observed in their school playground when they were six years old.

9 (a) Suggest **two** operationalised behavioural categories the psychologist could use in his observation of aggressive behaviour. Explain how the psychologist could have carried out this observation.

Behavioural Category 1

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Behavioural Category 2

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Explanation of how the observation could have been carried out

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(2 marks + 2 marks)

9 (b) Explain **one** ethical issue the psychologist would have needed to consider when carrying out this research. How could the psychologist have dealt with this issue?

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(4 marks)



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The psychologist wanted to investigate how aggressive the children were when they were at home. He interviewed a sample of their parents to investigate this.

9 (c) Explain why using interviews might be better than using questionnaires in this situation.

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Total for this question: 4 marks

10 Outline **one** research study into the effects of day care on peer relations.

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END OF QUESTIONS



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