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# AS PSYCHOLOGY (SPECIFICATION A)

Unit 1 Cognitive Psychology, Developmental Psychology  
and Research Methods

Monday 16 May 2016

Afternoon

Time allowed: 1 hour 30 minutes

## Materials

You will need no other materials.

## 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 12 should be answered in continuous prose. You may use the space provided to plan your answer. In Question 12, you will be assessed on your ability to:
  - use good English
  - organise information clearly
  - use specialist vocabulary where appropriate.



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**PSYA1**

**Section A Cognitive Psychology and Research Methods**

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

- 1** Select from the list below **two** features of the multi-store model of memory and **two** features of the working memory model.

Write the appropriate letter **A, B, C, D, E** or **F** to complete the table.

Write **one** letter only in each box.

- A** Hippocampus
- B** Sensory memory
- C** Phonological loop
- D** Central Executive
- E** Primary memory
- F** Rehearsal loop

	Feature 1	Feature 2
Multi-store model of memory		
Working memory model		

[2 marks]

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- 2** Outline **one** strength of the multi-store model and **one** strength of the working memory model.

[2 marks + 2 marks]

One strength of the multi-store model of memory \_\_\_\_\_

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One strength of the working memory model \_\_\_\_\_

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**3** Describe how encoding was investigated in **one** study of short term memory (STM). In your answer you should include details of the materials that were used and what participants were asked to do.

**[4 marks]**

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**4 (a)** What is a cognitive interview?

**[2 marks]**

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**4 (b)** Evaluate the effectiveness of the cognitive interview. Include reference to research evidence in your evaluation.

**[4 marks]**

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**5**

Outline and evaluate **one or more** studies of the effect of misleading information on eye-witness testimony (EWT).

**[4 marks + 4 marks]**

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Lined writing area with 25 horizontal lines.

8



- 6** One way to learn the planets in order is to remember the following mnemonic – **My Very Elegant Mother Just Served Us Nothing**. The first letter of each word is the same as the first letter of each planet. **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.**

A researcher carried out an experiment.

In **Condition 1**, 20 participants were instructed to learn the 8 planets in order. In **Condition 2**, 20 different participants were instructed to use the mnemonic to learn the 8 planets in order.

The results are given in **Table 1** below.

**Table 1** Number of participants who correctly recalled 8 planets in order

Condition 1	Condition 2
15	18

After the results had been collected, the researcher asked all 40 participants to describe how they tried to learn the 8 planets.

- 6 (a)** Identify an aim of this experiment.

**[2 marks]**

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- 6 (b) (i)** What is meant by 'qualitative data'? Identify an example of qualitative data collected in this experiment.

**[2 marks]**

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**6 (b) (ii)** What is meant by 'quantitative data'? Identify an example of quantitative data collected in this experiment.

**[2 marks]**

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**6 (c)** What is reliability? Explain how the researcher could decide whether the results in **Table 1** are reliable.

**[1 mark + 3 marks]**

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**6 (d)** Suggest a possible extraneous variable in this experiment.

**[2 marks]**

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**Section B Developmental Psychology and Research Methods**

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

**7** In the past, children were sometimes brought up in poor quality orphanages. The staff rarely picked the babies up, even for feeding.

Explain why learning theory suggests babies brought up in this way would have problems forming an attachment.

**[4 marks]**

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8 Look at the statements below (A, B, C, D and E).

Which **two** statements best describe the behaviour of a child who shows an **insecure-resistant** attachment type in the 'Strange Situation'?

[2 marks]

Tick **two** boxes.

<b>A</b>	The infant goes to mother when she returns but is difficult to comfort.	<input type="checkbox"/>
<b>B</b>	The infant goes to mother when she returns and is easily soothed.	<input type="checkbox"/>
<b>C</b>	The infant does not approach mother when she returns.	<input type="checkbox"/>
<b>D</b>	The infant is happy to leave mother and explore the room.	<input type="checkbox"/>
<b>E</b>	The infant is unwilling to leave mother and explore the room.	<input type="checkbox"/>

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9 Apart from ethical issues, outline **one** problem with using the 'Strange Situation' to identify different types of attachment.

[2 marks]

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**10** Outline **one** research study of the effects of day care on aggression.

**[4 marks]**

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**11** A psychologist wished to investigate the impact of different forms of day care on children's social development. She used interviews to collect responses from parents of children who attended day care.

**11 (a)** Explain why using interviews might be better than using questionnaires.

**[4 marks]**

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The psychologist then carried out an observational study of children in different forms of day care.

**11 (b)** What is meant by an 'investigator effect'? Explain a possible investigator effect in this observational study.

**[4 marks]**

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**11 (c)** Explain **one or more** ethical issues that the researcher should consider when carrying out research with children.

**[4 marks]**

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12

Outline and evaluate **one or more** research studies into the effects of institutional care.**[12 marks]**

You may use this space to plan your answer

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