Cambridge International AS & A Level

Cambridge International Examinations
Cambridge International Advanced Subsidiary and Advanced Level

CANDIDATE NAME	
CENTRE NUMBER	
CANDIDATE NUMBER	

0975338337

PSYCHOLOGY **9990/13**

Paper 1 Approaches, Issues and Debates **May/June 2018**

1 hour 30 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.
Write in dark blue or black pen.
You may use an HB pencil for any diagrams and graphs.
Do not use staples, paper clips, glue or correction fluid.
DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [ ] at the end of each question or part question.

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[Turn over

Answer **all** questions.

1 From the study by Pepperberg (parrot learning):

(a) State the aim of this study.

.....

.....[1]

(b) Three categories were used when training Alex the parrot. The first was colour and the second was shape.

What was the third category?

.....[1]

(c) Outline **one** result about the performance of Alex the parrot from the 'probes' questions.

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.....[2]

2 The study by Laney et al. (false memory) used a sample of adults in Experiment 1.

(a) Identify **two** other features of this sample.

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2 .....

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[2]

(b) Outline **one** methodological problem that could arise if children were used as participants in this study.

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.....[2]

3 The study by Canli et al. (brain scans and emotions) used a procedure with participants in an fMRI (functional magnetic resonance imaging) scanner.

(a) Describe the presentation of the images in the scanner.

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.....[3]

(b) Identify **one** control used within the scanner, other than the way the images were presented.

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.....[1]

4 In the study by Yamamoto et al. (chimpanzee helping), the first test was called the 'First "Can See" Condition'.

Describe the results of the performance from Cleo and Pan in this condition.

Cleo .....

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Pan .....

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[4]

5 The study by Baron-Cohen et al. (eyes test) is based on the concept of 'Theory of Mind'.

(a) Describe what is meant by 'Theory of Mind'.

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.....[4]

(b) Outline how **one** result from this study supports the concept of 'Theory of Mind'.

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.....[2]

6 **(a)** At the start of the procedure of the study by Milgram (obedience), the participant and the stooge were apparently randomly allocated to the roles of teacher or learner. Later the paired-associate learning task began.

Describe the procedure **between** these two events.

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.....[5]

(b) Explain **one** reason why the procedure was standardised in the study by Milgram.

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.....[3]

7 **(a)** Outline **one** assumption of the learning approach, including any example in your answer.

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.....[2]

(b) Studies from the learning approach can help with real-world applications.

Describe how the results of the study by Saavedra and Silverman (button phobia) can help with understanding and/or treating phobias.

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.....[4]

(c) Outline **one** other real-world application based on the results or conclusions from the study by Saavedra and Silverman.

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.....[2]

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8 **(a)** Describe the materials that were used in **both** the 'doodling' condition **and** the 'control' condition in the study by Andrade.

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.....[4]

(b) Explain **one** similarity and **one** difference between the study by Andrade and **one** other core study from the cognitive approach.

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.....[8]

9 Evaluate the study by Schachter and Singer (two factors in emotion) in terms of **two** strengths and **two** weaknesses. At least **one** of your evaluation points **must** be about the use of independent measures.

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