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Cambridge Assessment International Education

# Cambridge International AS & A Level

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

*1637014375*

**PSYCHOLOGY** **9990/13**

Paper 1 Approaches, Issues and Debates **May/June 2025**

**1 hour 30 minutes**

You must answer on the question paper.

No additional materials are needed.

**INSTRUCTIONS**

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.

**INFORMATION**

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **12** pages. Any blank pages are indicated.


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## Section A

Answer **all** questions.

**1** From the study by Fagen et al. (elephant learning):

**(a)** State the number of elephants used in this study.

..... [1]

**(b)** Identify **two** criteria used to select the elephants in this study.

1 .....

2 .....

[2]

**(c)** Elephants were trained to do a number of behavioural tasks including 'trunk here'.

Outline the 'trunk here' task.

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..... [2]

**2** In the study by Dement and Kleitman (sleep and dreams), an EEG (electroencephalogram) was used.

**(a)** Outline where on each participant's body the EEG electrodes were attached.

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..... [2]

**(b)** Explain **one** weakness of this study in relation to validity.

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..... [2]

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**3** From the study by Bandura et al. (aggression):

**(a)** One aim was to investigate whether children would reproduce the aggression shown by a model when that model is no longer there.

Outline **one** other aim of this study.

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..... [2]

**(b)** Identify **two** features of the sample in this study.

1 .....

2 .....

[2]

**(c)** Suggest **one** application to everyday life using evidence from this study. Your suggestion **must** be ethical.

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..... [2]

**4** In Experiment 1 in the study by Perry et al. (personal space), participants were given oxytocin (OT) or a placebo (PL).

Describe **one** result from the high empathy OT condition that compares two approaching figures. You **must** use data in your answer.

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**5** **(a)** Outline **one** assumption of the social approach.

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**(b)** Explain **one** reason why the study by Piliavin et al. (subway Samaritans) supports the assumption you outlined in part **(a)**.

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**6** **(a)** Describe the psychology being investigated in the study by Hassett et al. (monkey toy preferences).

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**(b)** Two friends, Madison and Zach, are discussing the validity of the study by Hassett et al. (monkey toy preferences).

Madison says the study has validity, but Zach says it does **not** have validity.

Outline why you think **either** Madison **or** Zach is correct, using evidence from the study.

The friend who I think is correct is: .....

because: .....

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..... [4]

**7** In the study by Milgram (obedience), a shock generator was used. It consisted of 30 lever switches in a horizontal line.

Describe the shock generator used in this study, other than these features.

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**8** Your friend, Alfonso, is finding it difficult to concentrate at school. He tells you that his concentration is worse when he is bored. He has come to you for advice about ways to help him improve his concentration.

Outline the advice you would give to Alfonso, using your knowledge of the study by Andrade (doodling).

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..... [4]

## Section B

Answer **all** questions.

**9** **(a)** Describe the Five Facet Mindfulness Questionnaire (FFMQ) used in the study by Hölzel et al. (mindfulness and brain scans).

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**(b)** Explain **one** similarity and **one** difference between the study by Hölzel et al. (mindfulness and brain scans) and **one** other study from the biological approach. Do **not** refer to questionnaires.

Similarity .....

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Difference .....

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[8]

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**10** Evaluate the study by Saavedra and Silverman (button phobia) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about subjective data.

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