



# Cambridge International AS & A Level

CANDIDATE  
NAME

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CENTRE  
NUMBER

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**PSYCHOLOGY**

**9990/13**

Paper 1 Approaches, Issues and Debates

**May/June 2020**

**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. Blank pages are indicated.

Answer **all** questions.

1 From the study by Canli et al. (brain scans and emotions):

(a) Identify the sampling technique used in this study.

..... [1]

(b) Outline the scale that was used by participants to indicate their emotional arousal to each picture.

.....  
.....  
.....  
..... [2]

(c) Describe what happened to a participant during the 'recognition test' in this study.

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.....  
.....  
..... [3]

2 From the study by Pepperberg that used a parrot as the participant:

(a) Outline **one** psychological concept that was investigated in this study.

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.....  
..... [2]

(b) Outline **one** result for first-trial-only performance from this study. You must use data in your answer.

.....  
.....  
.....  
..... [2]

3 From the study by Baron-Cohen et al. (eyes test):

(a) Outline **one** result from this study. Refer only to results from the eyes test in your answer.

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.....  
.....  
..... [2]

(b) Outline **one** methodological strength of this study.

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.....  
.....  
..... [2]

(c) Outline **one** ethical weakness of this study.

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.....  
.....  
..... [2]

4 In the study by Saavedra and Silverman (button phobia), the boy with the phobia went through a 'behavioural exposures' procedure as part of his treatment.

(a) Describe the 'behavioural exposures' procedure as used in this study.

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..... [4]

(b) Outline the posttreatment follow-up assessment session.

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..... [2]





(b) Describe how the sample was obtained for this study.

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.....  
.....  
.....  
..... [3]

(c) Outline **one** conclusion from this study.

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.....  
..... [2]

7 From the study by Dement and Kleitman (sleep and dreams):

(a) Outline **one** aim of this study.

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.....  
..... [2]

(b) Suggest **one** real-world application of this study.

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.....  
..... [2]

8 The study by Bandura et al. (aggression) is from the learning approach.

(a) Outline **two** assumptions of the learning approach, using any example for each.

1 .....

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2 .....

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..... [4]



(b) Explain how **one** result from the study by Bandura et al. supports the nature side of the nature–nurture debate and how **one** result supports the nurture side of the nature–nurture debate.

Result that supports the nature side of the nature–nurture debate: .....

.....  
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.....  
.....

Explain how: .....

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.....  
.....

Result that supports the nurture side of the nature–nurture debate: .....

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.....

Explain how: .....

.....  
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.....  
.....

[8]





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