Cambridge Assessment International Education

Cambridge International AS & A Level

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

4151353000

PSYCHOLOGY **9990/12**

Paper 1 Approaches, Issues and Debates **February/March 2022**

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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Answer **all** questions.

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

(a) Participants were woken at two different time intervals during REM sleep and asked to estimate their dream-duration. One of the time intervals was five minutes.

State the other time interval.

..... [1]

(b) Name the apparatus used to measure brain activity in this study.

..... [1]

(c) Outline **one** dream reported by a participant that had horizontal eye movements.

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..... [2]

2 From the study by Pepperberg (parrot learning):

(a) Name **two** items that Alex the parrot had to verbally request when he wanted them.

1 .....

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2 .....

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[2]

(b) Outline **one** strength of this study in relation to reliability.

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..... [2]

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

(a) Describe the sample used in this study.

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..... [3]

(b) Describe **one** result about aggressive gun play in this study.

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..... [2]

4 From the study by Milgram (obedience):

(a) Describe the shock generator used in this study.

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..... [4]

(b) Suggest **one** real-world application based on this study. Your suggestion **must** be ethical.

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..... [2]

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5 From the study by Andrade (doodling):

(a) Outline the aim of this study.

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..... [2]

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

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..... [3]

6 The debate about individual and situational explanations relates to the study by Schachter and Singer (two factors in emotion).

Outline what is meant by this debate. Include **one** example from the individual explanation and **one** example from the situational explanation from the study by Schachter and Singer.

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..... [4]

7 From the study by Laney et al. (false memory):

Describe the procedure from the point when participants had to view slides in Experiment 2.

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..... [4]

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

(a) Outline how participants were asked to respond to pictures during the recognition test in this study.

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..... [2]

(b) Two friends, Govinda and Ansh, are discussing this study in terms of validity.

Govinda believes the study does have validity but Ansh believes the study does **not** have validity.

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

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..... [4]

9 **(a)** Describe the psychology being investigated in the study by Yamamoto et al. (chimpanzee helping).

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..... [4]

(b) Explain whether each ethical guideline below was broken in the study by Yamamoto et al. (chimpanzee helping):

housing .....

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numbers .....

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reward .....

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species .....

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..... [8]

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 self-reports.

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..... [10]

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