



Cambridge International AS & A Level

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--



PSYCHOLOGY

9990/13

Paper 1 Approaches, Issues and Debates

May/June 2023

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.

Answer **all** questions.

1 From the study by Schachter and Singer (two factors in emotion):

(a) Identify which **one** of the following groups scored the lowest on the Activity Index in the Euphoria condition.

- Epinephrine Ignorant (Epi Ign)
- Epinephrine Informed (Epi Inf)
- Epinephrine Misinformed (Epi Mis)
- Placebo

[1]

(b) In the Anger condition, an observer recorded the participant's response to the stooge using several categories.

Outline how the category of 'Neutral' was operationalised in this study.

.....

.....

.....

..... [2]

2 From the study by Piliavin et al. (subway Samaritans):

(a) Name **two** measures observed for every participant who helped a victim.

1

2

[2]

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

.....

..... [1]

3 In the final part of the study by Bandura et al. (aggression), each participant spent 20 minutes in the experimental room and their behaviour was observed through a one-way mirror.

(a) Outline the procedure for this final part of the study.

.....

.....

.....

.....

.....

.....

..... [3]

(b) Explain **one** weakness of this final part of the study.

.....

.....

.....

..... [2]

4 From the study by Milgram (obedience):

(a) Describe the feedback from the learner (victim) that was given to the teacher (participant) during this study.

.....
.....
.....
.....
.....
.....
.....
..... [4]

(b) One conclusion was that people find it stressful to follow destructive orders from a person in authority.

Outline **one** other conclusion from this study.

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

- 5 In Experiment 2 of the study by Laney et al. (false memory), participants completed both the Food History Inventory and photograph ratings of food items.

Describe **one** result from the Food History Inventory and **one** result from the photograph ratings of food items.

You **must** use data for **one** of these results.

Result – Food History Inventory

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

Result – photograph ratings

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

[5]

6 Outline **two** assumptions of the learning approach.

You **must** use an example from a core study for each assumption.

1

.....

.....

.....

.....

.....

.....

2

.....

.....

.....

.....

.....

.....

[6]

7 Suggest **two** real-world applications based on the study by Baron-Cohen et al. (eyes test).

Your suggestions **must** be ethical.

1

.....

.....

.....

2

.....

.....

.....

[4]

- 8 Two friends, Maria and Oscar, are discussing the ethics of the study by Saavedra and Silverman (button phobia). Maria thinks the study is ethical but Oscar thinks the study is **not** ethical.

Explain **one** reason why Maria is correct and **one** reason why Oscar is correct, using evidence from this study.

Maria (ethical)

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

Oscar (**not** ethical)

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

[6]

9 From the study by Yamamoto et al. (chimpanzee helping):

(a) Outline what is meant by altruism.

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

(b) Outline what is meant by targeted helping.

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

- (c) Explain **one** similarity and **one** difference between the study by Yamamoto et al. (chimpanzee helping) and the study by Pepperberg (parrot learning).

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [8]

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.