



CANDIDATE
NAME

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9990/13

October/November 2020

1 hour 30 minutes

No additional materials are needed.

- 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.

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

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[Turn over

Answer **all** questions.

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

- (a) Two stooges were used to manipulate emotional states. One of these stooges attempted to manipulate euphoria.

Name the other emotional state manipulated in this study.

..... [1]

- (b) Name **two** categories an observer used to code the participants' behaviour during the euphoria conditions.

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..... [2]

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

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..... [2]

2 (a) In the study by Pepperberg, Alex the parrot was trained using the Model/Rival technique. Outline the procedure of this technique.

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..... [3]

- (b) Name **one** colour, **one** shape and **one** material that Alex the parrot could already vocalise before the study began.

Colour:

Shape:

Material: [3]

- 3 Explain one or more real-world applications of the study by Milgram (obedience).
Do **not** refer to more than three applications in your answer.

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..... [5]

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

(a) Outline **one** way in which the participants were deceived in this study.

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..... [2]

(b) Describe the sample of participants used in this study.

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..... [3]

(c) Explain why this study is from the social approach.

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..... [2]

- 5 Describe how Saavedra and Silverman used the Child Anxiety and Phobia Program to diagnose the boy who had a phobia of buttons.

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- 6 Describe the psychology that is being investigated in the study by Dement and Kleitman (sleep and dreams).

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

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

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..... [2]

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

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..... [2]

(c) Suggest **one** real-world application based on the procedure of this study.

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..... [2]

8 (a) Outline what is meant by individual and situational explanations of behaviour, using any examples. Do **not** refer to the study by Bandura et al. (aggression) in your answer.

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..... [4]

- (b) Explain how **one** result from the study by Bandura et al. supports the individual explanation of aggression and how **one** result supports the situational explanation of aggression.

Result that supports the individual explanation of aggression:

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Explain how:

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Result that supports the situational explanation of aggression:

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Explain how:

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[8]

- 9 Evaluate the study by Yamamoto et al. (chimpanzee helping) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about using repeated measures.

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines, providing a guide for letter height and placement. The lines are evenly spaced across the entire page, leaving ample room for writing practice. There is no text or other markings on the page.

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