



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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9990/11

October/November 2021

1 hour 30 minutes

You must answer on the question paper.

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 [].

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

Answer **all** questions.

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

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

..... [1]

(b) Describe how the participants were rated on their aggressive behaviours before the experimental conditions.

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

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

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..... [2]

2 From the study by Andrade (doodling):

(a) Describe the psychology being investigated in this study.

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..... [3]

(b) Outline **one** strength of this study in relation to the experimental design used.

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..... [2]

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

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

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..... [2]

(b) Outline **two** questions that participants were asked during the recognition test.

1

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2

..... [2]

(c) Describe the correlation between participants' intensity ratings and normative arousal ratings.

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..... [2]

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

(a) Describe what the victim did during a trial.

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..... [5]

(b) Identify **one** weakness of this study.

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..... [1]

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

(a) Identify **two** characteristics of the sample used in Experiment 2.

1

.....

2

..... [2]

(b) Explain **one** reason why the Food Costs Questionnaire may **not** accurately measure the most someone is willing to pay for a food item in a grocery store.

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..... [2]

6 The study by Pepperberg (parrot learning) is based on social learning theory.

(a) Describe social learning theory.

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..... [4]

(b) Outline how **one** result from this study supports social learning theory.

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..... [2]

- 7 Steve has learned about the study by Dement and Kleitman (sleep and dreams). He believes that the study is ethical.

(a) Outline what is meant by the ethical guideline of 'informed consent'.

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..... [2]

(b) Outline why Steve is correct that this study is ethical, using evidence in your answer.

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..... [4]

- 8 (a)** Outline the debate about individual and situational explanations in psychology, using an example other than the study by Milgram (obedience).

[4]

- (b)** Explain what psychologists have learned about obedience using **two** results from the study by Milgram.

[8]

- 9 Evaluate the study by Baron-Cohen et al. (eyes test) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about generalisations.

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9990/12

October/November 2021

1 hour 30 minutes

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[Turn over

Answer **all** questions.

1 From the study by Saavedra and Silverman about a boy with a button phobia:

(a) State who provided the boy with positive reinforcement during the Behavioural Exposures stage of his therapy.

..... [1]

(b) Name **two** stimuli that were rated 4 or lower on the boy's Disgust/Fear Hierarchy.

1

2 [2]

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

.....

.....

.....

..... [2]

2 From the study by Pepperberg (parrot learning):

(a) Describe the psychology being investigated in this study.

.....

.....

.....

.....

.....

..... [3]

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

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..... [2]

- 3 Before the study by Canli et al. (brain scans and emotions), other psychologists had found a relationship between amygdala activation and memory.

Canli et al. reported three alternative reasons for this relationship, other than amygdala activation causing the formation of memories.

(a) Outline **two** of these alternative reasons.

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- 2
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- [4]

(b) Describe the correlation between participants' intensity ratings and valence ratings.

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-
- [2]

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

(a) Describe the familiarisation phase of this study.

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..... [3]

(b) Outline the **two** possible outcomes that ended a trial.

1

.....

2

..... [2]

(c) Identify **one** methodological weakness of this study.

.....

..... [1]

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

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

- 1
-
- 2
- [2]

(b) One of the questions that the participants were asked about their mood was 'How good or happy would you say you feel at present?'

Explain **one** reason why this question may **not** measure mood accurately.

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- [2]

6 The study by Baron-Cohen et al. (eyes test) is based on Theory of Mind.

(a) Describe what is meant by 'Theory of Mind'.

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- [4]

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

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-
-
- [2]

7 Jamie has learned about the study by Milgram (obedience). He believes that the study is unethical.

(a) Outline what is meant by the ethical guideline of 'informed consent'.

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..... [2]

(b) Outline why Jamie is correct that this study is unethical, using evidence in your answer.

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..... [4]

- 8 (a)** Outline the debate about individual and situational explanations in psychology, using an example from the study by Dement and Kleitman (sleep and dreams).

[4]

- (b) Explain what psychologists have learned about sleep and dreams using **two** results from the study by Dement and Kleitman. Do **not** refer to the debate about the individual and situational explanations in your answer.

[8]

- 9 Evaluate the study by Bandura et al. (aggression) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about the use of quantitative data.

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9990/13

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- The number of marks for each question or part question is shown in brackets [].

[Turn over

Answer **all** questions.

1 From the study by Andrade (doodling):

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

..... [1]

(b) Identify **two** features of the mock telephone message that was played to the participants.

1

.....

2

..... [2]

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

.....

.....

.....

..... [2]

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

(a) Describe the psychology being investigated in this study.

.....

.....

.....

.....

.....

..... [3]

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

.....

.....

.....

..... [2]

3 From the study by Milgram (obedience):

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

.....

.....

.....

..... [2]

(b) State **two** characteristics of the victim (learner) used in this study.

1

2 [2]

(c) When the participant (teacher) pressed a switch on the shock generator, there were several changes.

Describe **two** changes on the shock generator after the participant pressed a switch, other than a bright red light illuminating.

1

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2

..... [2]

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

(a) Describe the procedure of the study when the participants were having their brain scans.

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..... [5]

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

.....

..... [1]

5 In the study by Baron-Cohen et al. (eyes test):

(a) Group 3 included males and females.

Identify **two** other characteristics of Group 3.

1

2 [2]

(b) Each participant's attribution of mental state was tested by their selection of a word to describe the pair of eyes in a photograph.

Explain **one** reason why this test may **not** accurately measure attribution of mental state.

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..... [2]

6 The study by Schachter and Singer is based on the two-factor theory of emotion.

(a) Describe what is meant by the two-factor theory of emotion.

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..... [4]

(b) Outline how **one** result from this study supports the two-factor theory of emotion.

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..... [2]

- 7 Lizzie has learned about the study by Laney et al. (false memory). She believes that the study is unethical.

(a) Outline what is meant by the ethical guideline of 'informed consent'.

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..... [2]

(b) Outline why Lizzie is correct that the study is unethical, using evidence in your answer.

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..... [4]

- 8 (a) Outline the nature versus nurture debate in psychology, using an example other than the study by Bandura et al. (aggression).

[4]

- (b)** Explain what psychologists have learned about aggression using **two** results from the study by Bandura et al.

[8]

- 9 Evaluate the study by Piliavin et al. (subway Samaritans) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about the use of qualitative data.

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