



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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9990/12

May/June 2022

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 Piliavin et al. (subway Samaritans):

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

..... [1]

(b) Trials on a given day were always in the same victim condition.

State how the victim condition was chosen.

..... [1]

(c) Identify **two** differences between the models used in this study.

1

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2

..... [2]

2 From the study by Pepperberg (parrot learning):

(a) Name **two** items that were always available to Alex the parrot without him having to request them.

1

2 [2]

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

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..... [2]

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

(a) One feature of the sample in this study was that they were all adults.

Identify **three** other features of the sample used in this study.

1

2

3 [3]

(b) Describe **one** result about dream recall from REM awakenings in the first half of the night compared to the second half of the night.

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..... [2]

- 4 (a) At the end of the study by Milgram (obedience), the experimenter used an 'interview and dehoax' procedure with his participants.

Describe this procedure.

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..... [4]

- (b) Studies in social psychology can be used to help managers in the workplace.

Suggest how the study by Milgram could be used to help a manager with disobedient workers. Your suggestion **must** be ethical.

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..... [2]

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

- (a) Outline **one** 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 Outline what is meant by the 'learning approach' in psychology. Include examples from the study by Saavedra and Silverman (button phobia) in your answer.

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

Describe the Restaurant Questionnaire.

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

(a) Outline the category of 'initiates new activity' for the behaviour of participants in the Euphoria condition.

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..... [2]

- (b) Two friends, Maryam and Zara, are discussing this study in terms of reliability.

Maryam believes the study does have reliability but Zara believes the study does **not** have reliability.

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

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- 9 (a) Describe the psychology being investigated in the study by Bandura et al. (aggression).

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- (b) Explain whether each ethical guideline below was broken in the study by Bandura et al. (aggression).

confidentiality

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deception

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protection from physical harm

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protection from psychological harm

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..... [8]

- 10 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 laboratory experiments.

[illegible]

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