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Cambridge International AS & A Level

Cambridge International Examinations
Cambridge International Advanced Subsidiary and Advanced Level

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CANDIDATE NUMBER | | | | |

6318782067

PSYCHOLOGY **9990/12**

Paper 1 Approaches, Issues and Debates **February/March 2018**

1 hour 30 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.
Write in dark blue or black pen.
You may use an HB pencil for any diagrams and graphs.
Do not use staples, paper clips, glue or correction fluid.
DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [ ] at the end of each question or part question.

This document consists of **9** printed pages and **3** blank pages.

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Answer **all** questions.

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

(a) Name the technique used to measure brain activity.

.....[1]

(b) Identify **one** reason for using this technique to measure brain activity.

.....

.....[1]

(c) Outline **one** of the dreams reported when vertical eye movement was recorded.

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.....[2]

2 The study by Bandura et al. (aggression) used a sample of children.

(a) Identify **two** features of this sample.

1 .....

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2 .....

.....[2]

(b) Outline **one** way in which this study has real world application for *adults*.

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.....[2]

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3 From the Pepperberg study (parrot learning):

(a) Describe **one** result of the test on Alex the parrot which used familiar objects. You should include numerical data in your answer.

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.....[2]

(b) Describe **one** conclusion from this study.

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.....[2]

4 Two ethical guidelines are debriefing and informed consent.

Suggest how ethical issues raised in the Piliavin et al. study (subway Samaritans) relate to these two ethical guidelines.

debriefing .....

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informed consent .....

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.....[4]

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5 The study by Laney et al. is about false memories.

(a) Describe what is meant by 'false memories'.

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.....[4]

(b) Outline how **one** result from this study supports the existence of false memories.

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.....[2]

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

(a) Describe the procedure of this study from the point when the participants returned three weeks after the fMRI (functional Magnetic Resonance Imagery) scans had taken place.

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.....[5]

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

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.....[3]

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7 **(a)** Describe **one** assumption of the social approach.

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.....[2]

(b) Studies in social psychology can be used to help train military personnel.

Describe how the procedure of the study by Milgram (obedience) could be applied to help with this training.

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.....[4]

(c) Outline **one** other real-world application based on the findings from the Milgram study.

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.....[2]

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8 In the Schachter and Singer study (two factors in emotion), after each participant completed their session with the stooge they completed a questionnaire about their mood and their physical condition.

(a) (i) State **one** of the closed questions that was used to measure mood, including the answer choices.

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.....[2]

(ii) State **one** of the closed questions used to measure physical condition, including the answer choices.

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.....[2]

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(b) Explain **one** similarity and **one** difference between the Schachter and Singer study and **one** other core study from the biological approach.

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.....[8]

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9 Evaluate the Saavedra and Silverman study (button phobia) in terms of **two** strengths and **two** weaknesses. At least one of your evaluation points **must** be about ethics.

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