Cambridge Assessment International Education

Cambridge International AS & A Level

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

6741056913

PSYCHOLOGY **9990/23**

Paper 2 Research Methods **May/June 2020**

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. Blank pages are indicated.

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Section A

Answer **all** questions in this section.

1 Describe the difference between qualitative and quantitative data.

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..... [2]

2 The study by Piliavin et al. (subway Samaritans) was conducted in a subway train.

(a) Suggest **one** advantage of conducting a study in this location.

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..... [2]

(b) Suggest **one** disadvantage of conducting a study in this location.

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..... [2]

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3 The study by Saavedra and Silverman (button phobia) was a case study.

Explain the **two** reasons that the case study method was chosen, using examples from this study. Do **not** refer to 'longitudinal' in your answer.

1 .....

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2 .....

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..... [4]

4 Baron-Cohen et al. (eyes test) collected data from several standardised tests.

(a) State what is meant by 'standardisation'.

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..... [1]

(b) State **two** ways that the Eyes Test was standardised.

1 .....

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2 .....

..... [2]

5 Descriptive statistics used in studies can include the range and the standard deviation.

(a) State what these descriptive statistics measure.

..... [1]

(b) Explain **one** advantage of the standard deviation compared to the range.

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..... [2]

6 Describe the use of the ethical guidelines of 'numbers' and 'housing' in relation to animals in research, using any examples.

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..... [6]

Section B

Answer **all** questions in this section.

7 Jodie is investigating attitudes to doodling in class. She wants to obtain a sample that includes students and teachers.

(a) Name **one** sampling technique Jodie could use to obtain her sample.

..... [1]

(b) Suggest how Jodie could use this sampling technique to obtain her sample.

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..... [2]

(c) Suggest **one** advantage of using this sampling technique in Jodie's study.

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..... [1]

(d) Explain **one** problem with using this sampling technique in Jodie's study, compared to **one** other sampling technique.

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..... [3]

8 Todd is using a questionnaire to investigate personality, such as being a calm or anxious person.

(a) Explain what is meant by a 'questionnaire'.

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..... [2]

(b) **(i)** Suggest **one** open and **one** closed question about personality that Todd could use in his questionnaire.

Open question: .....

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Closed question: .....

..... [2]

(ii) Explain whether the open or the closed question that you suggested in part **(b)(i)** would provide more information about personality.

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..... [2]

(c) Describe how Todd could obtain informed consent from the participants in his study.

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..... [2]

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9 Arjun and Mary have collected data about aggression in adults using an observation.

(a) They want to know if they have good inter-rater reliability.

Suggest how they would test this for their study.

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..... [3]

(b) Explain why it is important that Arjun and Mary have good inter-rater reliability in their study.

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..... [2]

(c) Suggest **one** advantage of using participant observation in Arjun and Mary's study.

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..... [2]

(d) Suggest **one** disadvantage of using participant observation in Arjun and Mary's study.

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..... [2]

Section C

Answer **all** questions in this section.

10 Kenley is studying whether manipulating participants' mood (to 'good' or 'bad') will make them better at identifying positive facial expressions such as 'friendly' and 'happy'.

(a) Describe how Kenley could conduct a laboratory experiment to test whether manipulating a participant's mood will make them better at identifying positive facial expressions.

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..... [10]

(b) Identify **one** practical weakness/limitation with the procedure you have described in your answer to part (a) and suggest how your study might be done differently to overcome the problem.

Do **not** refer to ethics or sampling in your answer.

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..... [4]

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