



Oxford Cambridge and RSA

Sample Question Paper

AS Level Psychology

H169/01 Research methods

Time allowed: 1 hour 30 minutes

You must have:

- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION

- The total mark for this paper is **56**.
- The marks for each question are shown in brackets [].
- This document has **14** pages.

ADVICE

- Read each question carefully before you start your answer.

Section A

Multiple Choice

For each question, put the letter of the correct answer in the box provided.

1 Which of the following is a null hypothesis?

- A 'Extroverted people will not perform significantly better in front of an audience than introverted people.'
- B 'There will be a significant difference between the performance of extroverted and introverted people when in front of an audience.'
- C 'There will be a significant negative correlation between how introverted people are and how well they perform in front of an audience.'
- D 'There will be no significant difference between extroverted and introverted people in terms of how well they perform in front of an audience.'

Your answer

[1]

2 Which of the following is an example of secondary data?

- A autobiography of a serial killer
- B observation notes on the behaviours of a serial killer
- C readings from the brain scan of a serial killer
- D recording of an interview with a serial killer

Your answer

[1]

3 Which of the following is a strength of using a questionnaire to carry out psychological research?

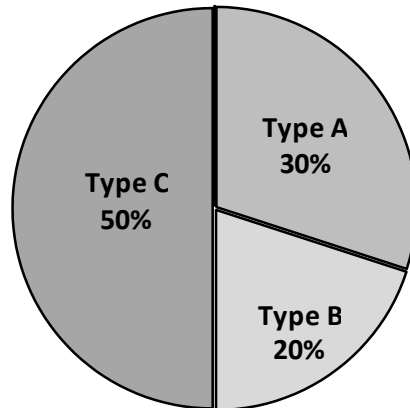
- A high response rates are guaranteed, giving representative data
- B questions can be changed in order to follow new lines of enquiry
- C respondents are unable to lie in their answers, giving valid data
- D responses can be compared to identify patterns in data

Your answer

[1]

4 Look at the pie chart below.

A pie chart to show the distribution of infant attachment types in a sample of divorced adults.



What fraction of divorced adults had a Type B attachment?

- A 1/5
- B 3/10
- C 2/5
- D 1/2

Your answer

[1]

5 What is a weakness of using an overt observation in psychological research?

- A high risk of observer effect
- B low levels of ecological validity
- C poor generalisability to population
- D reduced inter-rater reliability

Your answer

[1]

- 6 Look at this data from an investigation using the test-retest technique on four personality inventories. The same participants completed all inventories, with the same interval between both tests. All tests were scored out of 100.

	Inventory	Mean from Test 1	Mean from Test 2
A	Alpha	94.0	90.2
B	Beta	27.5	24.6
C	Delta	25.3	30.3
D	Gamma	27.9	89.2

Using the data, which inventory has the highest level of external reliability?

- A Alpha
- B Beta
- C Delta
- D Gamma

Your answer

[1]

- 7 Which of the following would give a researcher a random sample of 20 participants?

- A choosing every third person from a list of 60 names listed in order of age
- B sticking a pin 20 times into a piece of paper listing 50 names in alphabetical order
- C taking out 20 names from a container holding all the names of the target population
- D using the first 20 people that enter a building

Your answer

[1]

- 8 Which of the following is always included in an academic reference?

- A date of publication
- B location of research
- C method used in the research
- D participants used in the research

Your answer

[1]

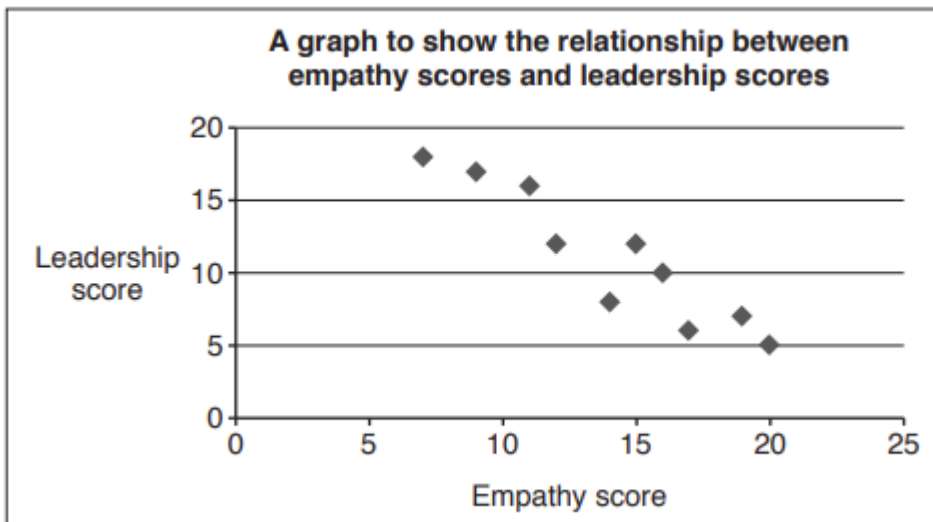
9 Which of the following is a type of observation in psychological research?

- A participant
- B population
- C practical
- D principal

Your answer

[1]

10 Look at the following scatter diagram.



Which of the following is the best estimate of the correlation coefficient for the above data?

- A -0.7
- B -0.2
- C +0.2
- D +0.7

Your answer

[1]

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

A large rectangular area with a solid vertical line on the left side and horizontal dotted lines extending across the page, providing space for writing answers.

A large area of the page is reserved for writing, featuring a vertical solid line on the left side and horizontal dotted lines extending across the page.



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