

Candidate forename						Candidate surname					
Centre number						Candidate number					

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
AS GCE
G541
PSYCHOLOGY

Psychological Investigations

WEDNESDAY 23 MAY 2012: Morning

DURATION: 1 hour

MODIFIED ENLARGED

Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.**
- **Use black ink. HB pencil may be used for graphs and diagrams only.**
- **Answer ALL the questions in Sections A, B and C.**
- **Read each question carefully. Make sure you know what you have to do before starting your answer.**
- **Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.**

INFORMATION FOR CANDIDATES

- **The number of marks is given in brackets [] at the end of each question or part question.**
- **The total number of marks for this paper is 60.**
- **Quality of written communication is assessed throughout this paper.**

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SECTION A

Answer ALL questions.

Couples sometimes imitate each others' behaviours, usually without realising it, such as folding arms at the same time as each other. Psychologists call this 'postural echoing'. To study this, two researchers sat in a bar for one hour monitoring the behaviour of one couple at a time from the moment they entered until they left. Two couples were monitored and the data is presented in the table below.

Number of times the couples performed behaviours at the same time as each other					
Fold arms	Cross legs	Rest head on hand	Drink	Touch hair	Touch nose
12	8	10	7	5	3

- 1 (a) Identify ONE ethical issue that the researchers needed to consider when conducting this observation.

[2]

(b) Suggest how they could have dealt with this issue.

[2]

- 2 (a) Explain what is meant by inter-rater reliability in observational research.**

[2]

- (b) Suggest how the researchers could have ensured that this observation had high inter-rater reliability.**

[4]

3 Outline TWO findings from the data in this table.

[4]

[6]

8

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SECTION B

Answer ALL questions.

Psychologists conducted a study to investigate if there is a correlation between personality and length of mobile phone text messages. Twenty students aged 16-19 from one AS Psychology class attending a college in London were used. Personality was assessed by asking the participants to rate themselves using a scale of 1 (very introvert – shy) to 10 (very extrovert – outgoing). The average number of words used in a text message over a period of one week was obtained from their phones.

- 5 Outline ONE strength and ONE weakness of the sample used in this study.**

[6]

6 Suggest an appropriate alternate hypothesis for this study.

[4]

[illegible]

12

8 Explain what is meant by a negative correlation.

[2]

9 Describe how data is presented in a scattergraph.

[2]

Total [20 Marks]

SECTION C

Answer ALL questions.

A psychologist wants to conduct an experiment to investigate if people are more aggressive after watching a violent scene from a film compared to a non-violent scene.

10 Describe and evaluate ONE way of measuring the participants' aggression in this study.

[10]

11 Explain the difference between an independent measures design and a repeated measures design.

[4]

[illegible]

Total [20 Marks]

ADDITIONAL PAGES

If you use the following lined pages to complete the answer(s) to any questions(s), the question number(s) must be clearly shown.

[illegible]

[illegible]



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