



GENERAL CERTIFICATE OF SECONDARY EDUCATION
PSYCHOLOGY
 Research in Psychology

B543

Candidates answer on the Question Paper

OCR Supplied Materials:
None

Other Materials Required:
None

Monday 1 February 2010
Morning

Duration: 1 hour



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided. Additional answer space is available on the lined page at the back of the book. Answers on this page must be clearly numbered.

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 **40**.
- You may use the paper at the back of this booklet to complete your answers if you need to do so. You must make sure that any answer(s) on this sheet is clearly labelled with the appropriate question number(s).
- This document consists of **8** pages. Any blank pages are indicated.

SECTION A – PLANNING, DOING AND ANALYSING RESEARCH

Answer **all** questions.

The Source

A psychologist wanted to investigate whether the presence of an audience improves performance. He invited participants, who were all psychology students, along to his laboratory. On arrival, each participant was asked to build a wooden tower whilst being alone in the room with only the experimenter present.

A week later, all the participants returned to the laboratory. This time they were asked to build the same wooden tower whilst the other participants watched as their audience. The time taken to build the tower alone and then in front of an audience was recorded.

The results are shown in the table below.

Table 1

Mean time taken to build the wooden tower
alone and with an audience present

Condition	Time taken
Alone	5.8 minutes
Audience present	3.5 minutes

1 Give the aim of the study in the source.

.....
..... [1]

2 State an alternate hypothesis for this study.

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.....
.....
..... [2]

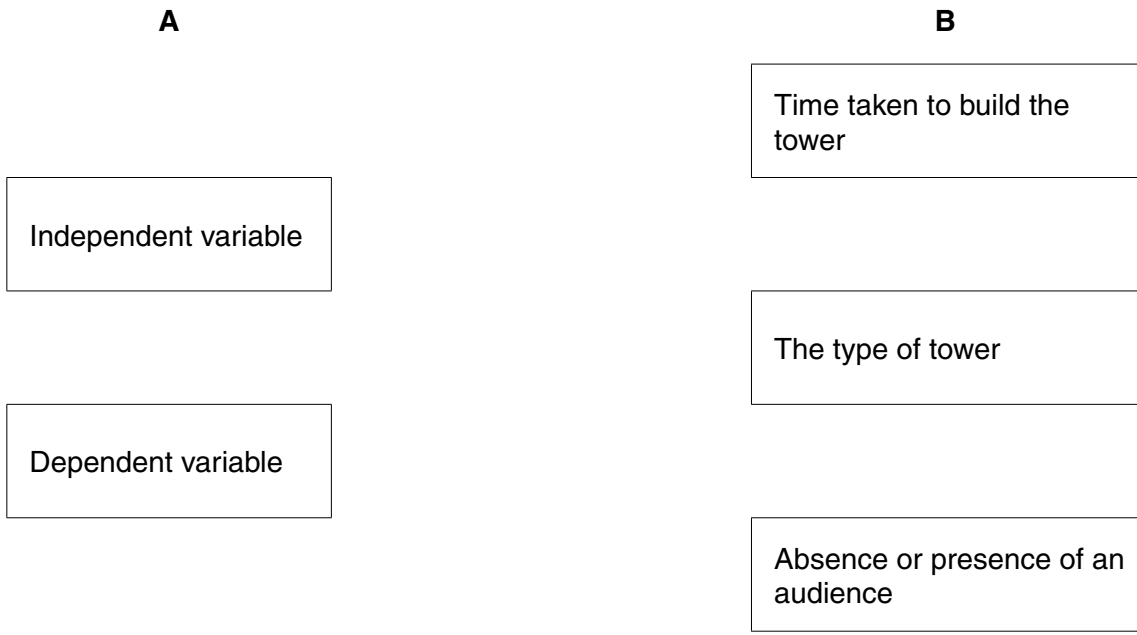
3 (a) State who the participants were in this study.

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..... [1]

(b) Outline **one** problem with the sample in this study.

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..... [2]

4 Using the diagram below;
Identify the independent variable and dependent variable in the source.
Draw a line from each box in the **A** column to the correct box in the **B** column.



[2]

5 Explain what is meant by the term experimenter bias.

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.....
.....
..... [2]

6 (a) Identify the experimental design used in this study.

Put a tick in **one** of the boxes to show your answer.

Repeated measures Independent groups [1]

(b) Describe **one** disadvantage of the experimental design used in this study.

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..... [3]

7 Using the data in the source (Table 1), draw and label a bar chart to display the results of this study. Use the space below.

[4]

8 State **one** finding of this study.

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..... [1]

9 The psychologist used a laboratory experiment.
Explain **one** strength of a laboratory experiment.

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..... [2]

10 (a) Outline what is meant by the term 'extraneous variable'.

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..... [2]

(b) Explain **one** way in which an extraneous variable may have occurred in this study.

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..... [2]

Section total: 25 marks

SECTION B – PLANNING AN INVESTIGATION

You have been asked to use a **questionnaire** to investigate whether teachers are more stressed than other professionals. The theory is that teachers will report higher levels of stress than people doing other jobs.

11 (a) State a hypothesis for your investigation.

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..... [2]

(b) Identify which sampling method you would use for this investigation and explain why you would use it.

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..... [3]

(c) Describe **one** ethical issue you would have to deal with when investigating stress.

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..... [2]

(d) Briefly outline how you would use a questionnaire to carry out an investigation into whether teachers are more stressed than people doing other jobs.

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..... [3]

(e) Describe **one** weakness of using a questionnaire in this investigation.

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..... [3]

(f) Outline how you would analyse your findings.

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..... [2]

Section total: 15 marks

Paper Total: 40 marks

