

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
January 2012

Psychology (Specification B) PSYB1

Unit 1 Introducing Psychology

Tuesday 10 January 2012 9.00 am to 10.30 am

You will need no other materials.
You may use a calculator.

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- Questions 1(d) and 2(e) should be answered in continuous prose.

You may use the space provided to plan your answer.

In these questions, you will be marked on your ability to:

- use good English
- organise information clearly
- use specialist vocabulary where appropriate.



J A N 1 2 P S Y B 1 0 1

Section A Key Approaches and Biopsychology

Answer **all** parts of this question which carries 20 marks.

1 (a) Using an example, explain what is meant by the *fight or flight response*.

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(3 marks)

1 (b) Discuss **one** strength **or** limitation of PET scans as a way of identifying areas of cortical specialisation in the brain.

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(3 marks)



Section B Gender Development

Answer **all** parts of this question which carries 20 marks.

2 (a) (i) Give **one** difference between males who have Klinefelter's syndrome and males with typical sex chromosome patterns.

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(1 mark)

2 (a) (ii) Explain why psychologists study individuals with Klinefelter's syndrome.

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(2 marks)

2 (b) Identify and briefly explain **one** limitation of the biological approach to gender development.

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(2 marks)

Question 2 continues on the next page

Turn over ►



2 (c) Joey has stolen a bag of sweets from the local shop. His friend Ross says: "My dad says that stealing is wrong and I agree with him."

With reference to the Oedipus complex, explain why Ross agrees with his father.

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(2 marks)

2 (d) Choose **one** study in which cultural variations in gender-related behaviour were investigated.

Explain **one** methodological problem in relation to this study.

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(3 marks)



Section C Research Methods

Answer **all** parts of this question which carries 20 marks.

3 A psychologist wanted to investigate whether or not the presence of an audience had an effect on the performance of a task.

The task was to shoot netballs through a hoop. Each participant took 20 shots.

The experiment took place in a school sports hall.

The psychologist obtained the sample of participants from a local secondary school for girls. She drew the names of 40 participants at random from a list of girls who all played netball regularly. The first 20 participants drawn took part in the experimental condition and the next 20 participants took part in the control condition.

In the experimental condition, each participant took 20 shots. In this condition, 50 pupils from the school acted as an audience watching the performance.

In the control condition, the other 20 participants performed the same task, but this time without the audience watching.

The psychologist observed each girl's performance and recorded the number of netballs successfully shot through the hoop.

3 (a) State an appropriate hypothesis for this study.

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(2 marks)

The results of the study are shown in **Table 1** below.

Table 1 The mean number of netballs successfully shot through the hoop in the presence and absence of an audience.

	Mean number of netballs successfully shot through the hoop
Presence of an audience	15
Absence of an audience	9



3 (b) What might the psychologist conclude from the data in **Table 1**? Justify your answer.

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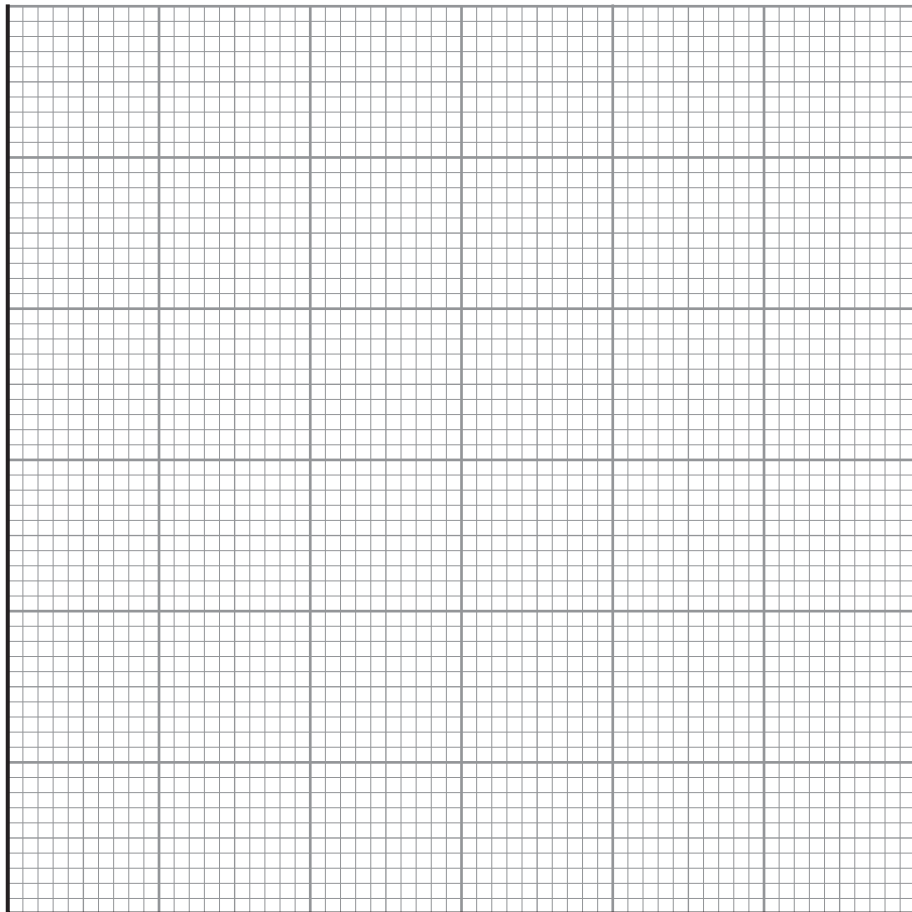
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(2 marks)

3 (c) Sketch an appropriate graphical display of the data shown in **Table 1**.

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(3 marks)

Question 3 continues on the next page

Turn over ►



3 (d) The psychologist used random sampling to select the participants in this study.

Explain **one** strength of using a random sample.

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(2 marks)

3 (e) (i) The psychologist used an independent groups design in this study.

Briefly explain **one** limitation of using an independent groups design in this study.

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(2 marks)

3 (e) (ii) Explain how the limitation that you have identified in your answer to **3 (e) (i)** might have been overcome.

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(2 marks)

3 (f) (i) What is meant by an *extraneous variable*?

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(1 mark)



There are no questions printed on this page

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ANSWER IN THE SPACES PROVIDED**

