OXFORD AQA

INTERNATIONAL QUALIFICATIONS

Please write clearly in block capitals.

Centre number | | | | | | Candidate number | | | | |

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

INTERNATIONAL A-LEVEL
PSYCHOLOGY

Unit 3 Advanced Topics and Research Methods 2

Thursday 5 June 2025 07:00 GMT Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:
- a calculator, which you are expected to use where appropriate.

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.
- All working must be shown.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- 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 90.

For Examiner's Use	
Section	Mark
A	
B	
C	
TOTAL	

Do not write outside the box

Section A: Psychology of Sleep

Answer **all** questions in the spaces provided.

0 1 There are three types of biological rhythm.

A Circadian

B Infradian

C Ultradian

Complete the table of definitions by choosing the correct letter from the list above and writing it next to the appropriate definition.

Use **each** letter only **once**.

[3 marks]

Biological rhythm with a cycle length of 24 hours.	
Biological rhythm with a cycle length of less than 24 hours.	
Biological rhythm with a cycle length of more than 24 hours.	

0 2 Outline **one** limitation of research studies into circadian rhythms.

[2 marks]

Do not write outside the box

0 3 Omar has just started his new job as a pilot, flying around the world. He notices that when he flies in the direction of west to east, he experiences more severe jet lag than when he flies from east to west.

0 3 . 1 Using your knowledge of the effects of jet lag on the disruption of biological rhythms, explain Omar's experiences.

[4 marks]

0 3 . 2 Another pilot suggests to Omar that he should avoid consuming any coffee before travelling, as this might make jet lag symptoms worse.

Suggest **two other** behaviours that Omar could change to reduce the effects of jet lag when travelling from west to east.

[4 marks]

1

2

Turn over ►

Do not write outside the box

0 4 Name **one** type of sleep.

[1 mark]

0 5 Evaluate the role of personality factors as an explanation for insomnia.

[4 marks]

Do not write outside the box

0 6 Discuss memory consolidation as a function of sleep.

[12 marks]

Do not write outside the box

Do not write outside the box

Extra space

30

Do not write outside the box

Section B: Schizophrenia

Answer **all** questions in the spaces provided.

0 7 What is meant by positive symptoms **and** negative symptoms of schizophrenia?

[2 marks]

0 8 What is meant by hallucinations?

[2 marks]

Do not write outside the box

0 9 Evaluate the use of anti-psychotic drugs as a therapy for schizophrenia.

[6 marks]

Turn over for the next question

Do not write outside the box

1 0 Sarah and George are reading about schizophrenia in their psychology textbooks.

Sarah says, "I thought that you could only develop schizophrenia if someone in your family already had it. My friend has schizophrenia and so does her biological father."

George replies, "I thought that schizophrenia was related to something that was happening inside a person's brain."

Describe and evaluate **two** biological explanations of schizophrenia. Refer to the conversation between Sarah and George in your answer.

[20 marks]

Do not write outside the box

Turn over ►

Do not write outside the box

Extra space

30

Do not write outside the box

Turn over for the next section

DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED

Do not write outside the box

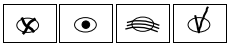
Section C: Research Methods 2

Answer **all** questions in the spaces provided.

Only **one** answer per question is allowed.

For each multiple-choice question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD

WRONG METHODS 

If you want to change your answer you must cross out your original answer as shown.

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.

A psychologist was interested in studying the social behaviours people show towards each other in public. The psychologist decided to conduct an observation.

To carry out this observation, the psychologist visited a large shopping centre and sat in a busy area. The psychologist observed and recorded some of the social behaviours that the people in the shopping centre showed towards each other.

The people in the shopping centre did not know that they were being observed as part of the study.

1 1 Which **one** of the following set of observational techniques is being used by the psychologist in this study?

Shade **one** box only.

[1 mark]

A Controlled, covert and non-participant observation ⬭

B Controlled, non-participant and overt observation ⬭

C Covert, naturalistic and non-participant observation ⬭

D Naturalistic, non-participant and overt observation ⬭

Do not write outside the box

1 2 Identify the sampling technique used by the psychologist in this study.
Justify your answer.

[2 marks]

1 3 One of the psychologist's behavioural categories was 'holding a door open for another person'.

Suggest **two** other behavioural categories that the psychologist might record during the observation of social behaviours.

[2 marks]

1

2

1 4 The psychologist believed that the observation had a high level of ecological validity.

Explain why the psychologist felt confident about the ecological validity of the observation.

[3 marks]

Turn over ►

Do not write outside the box

During the observation, the psychologist noticed differences in the behaviours of younger people and older people. One main difference was related to helping behaviour.

The psychologist decided to conduct a field experiment to investigate the differences in helping behaviour between younger people and older people.

To conduct this field experiment, the psychologist returned to the shopping centre on a different day with an assistant.

The assistant dropped bags of shopping in front of either younger people or older people. The psychologist recorded whether the younger people or the older people helped to pick up the shopping or not.

1 5 What is a field experiment?

[2 marks]

Do not write outside the box

1 6 The results of the field experiment are shown in **Table 1** below.

Table 1: The helping behaviour shown by younger people and older people.

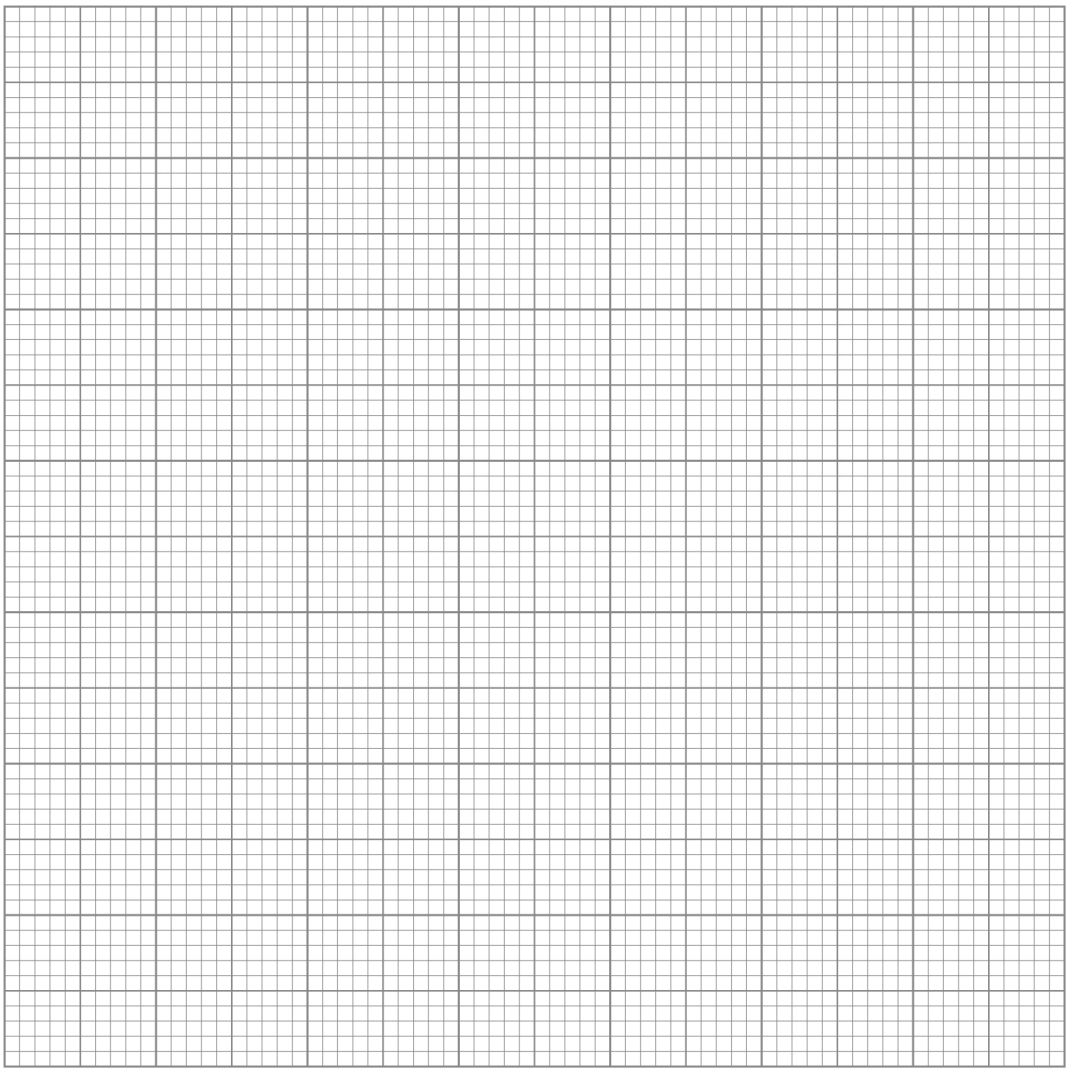
	Younger people	**Older people**
Helped pick up shopping	26	38
Did not help pick up shopping	15	5

Draw an appropriate graph to show the results of this field experiment.

Your graph must include a title.

[5 marks]

Title: _____



Turn over ►

Do not write outside the box

1 7 The psychologist collected quantitative data in this field experiment.

Outline what is meant by quantitative data?

[2 marks]

1 8 Explain **one** benefit of collecting quantitative data in psychological research.

[2 marks]

1 9 Identify a suitable statistical test that the psychologist could use to analyse the data from the field experiment. Explain **two** reasons for your choice.

[5 marks]

Statistical test

Reason 1

Reason 2

Do not write outside the box

2 0 Outline **two** limitations of conducting field experiments.

[4 marks]

1 _____

2 _____

2 1 After conducting psychological research, psychologists often write a scientific report about their investigation for other people to read.

Briefly outline **two** pieces of information a psychologist would include in the Introduction section of a scientific report.

[2 marks]

_____

_____

_____

_____

30

END OF QUESTIONS

Do not write outside the box

There are no questions printed on this page

DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED

Do not write outside the box

Question number	**Additional page, if required.** **Write the question numbers in the left-hand margin.**

Do not write outside the box

Question number	**Additional page, if required.** **Write the question numbers in the left-hand margin.**

Do not write outside the box

Question number	**Additional page, if required.** **Write the question numbers in the left-hand margin.**

Do not write outside the box

There are no questions printed on this page

DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED

Copyright information

For confidentiality purposes, all acknowledgements of third-party copyright material are published in a separate booklet. This booklet is published after each live examination series and is available for free download from www.oxfordaqa.com

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and OxfordAQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team.

Copyright © 2025 OxfordAQA International Examinations and its licensors. All rights reserved.