

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

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	



Section A: Psychology of Sleep

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

0 1

Briefly describe **two** characteristics of REM sleep.

[4 marks]

0 2

Sara has found it difficult to fall asleep each night for the last six months. She regularly wakes up throughout the night. Sara is now having difficulty carrying out her work because she is extremely tired during the day.

Briefly outline **two** symptoms of insomnia. Refer to Sara in your answer.

[4 marks]



Section B: Schizophrenia

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

0 5

Briefly describe how neural correlates can be used to explain schizophrenia.

[4 marks]

0 6 . 1

Explain **one** strength of using anti-psychotic drugs as a therapy for schizophrenia.

[3 marks]



Section C: Research Methods 2Answer **all** questions in the spaces provided.Only **one** answer per question is allowed.

For each 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.



Previous research has found that more boys ask questions in lessons than girls. A researcher investigated this further. He carried out a covert observation of a psychology lesson. The lesson was recorded on video.

The researcher analysed the recording by counting the number of girls who asked at least one question during the lesson and the number of boys who asked at least one question during the lesson.

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

Table 1 – Number of girls and boys who asked at least one question during the psychology lesson

	Asked at least one question	Did not ask at least one question
Girls	3	9
Boys	7	5



0 8

What might the researcher conclude from the results in **Table 1**? Use data from the table to justify your answer.

[4 marks]

1 9

Should the hypothesis for this study be directional or non-directional? Explain your answer.

[2 marks]

1 0

What types of data were collected in this study?

Shade **two** boxes.

[2 marks]

- A** Meta-analysis data
- B** Primary data
- C** Qualitative data
- D** Quantitative data
- E** Secondary data

Turn over ►

1	1
---	---

With reference to this study, explain what is meant by covert observation.

[2 marks]

1	2
---	---

Briefly explain why this study is a non-participant observation.

[1 mark]

1	3
---	---

Explain why it was important to observe the girls and boys in the same lesson.

[4 marks]

1	4	.	1
---	---	---	---

Name **two** ethical issues that the researcher should have considered in this study.

[2 marks]



1 4 . 2

Explain how the researcher could deal with the **two** ethical issues that you have named in your answer to Question **14.1**.

[4 marks]

Table 1 – Number of girls and boys who asked at least one question during the psychology lesson

	Asked at least one question	Did not ask at least one question
Girls	3	9
Boys	7	5

1 5 . 1

The researcher carried out a Chi-squared statistical test on the data in **Table 1**.

Explain why a Chi-squared test is appropriate for the data in this study.

[3 marks]

Turn over ►

1 5 . 2

The researcher found the calculated value of Chi-squared (χ^2) was 2.74.

Table 2 – Critical values table for the Chi-squared statistical test

	0.10	0.05	0.01	0.005
df = 1	1.64	2.71	5.02	6.64

(The calculated value of χ^2 must be equal to or greater than the critical value to be significant.)

Using the critical values table for the Chi-squared test (**Table 2** above) and the probability level of 5%, decide whether the result is significant or not.

Justify your decision.

[4 marks]



1	6
---	---

After the observation, the researcher interviewed all of the girls who had been in the psychology lesson that was videoed. He was interested in why many of the girls did not ask questions in the lesson.

Write **one** closed question and **one** open question that the researcher could use in the interview.

[2 marks]

Closed question _____

Open question _____

30

END OF QUESTIONS



There are no questions printed on this page

*Do not write
outside the
box*

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**



There are no questions printed on this page

*Do not write
outside the
box*

**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.oxfordqaexams.org.uk.

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

Copyright © 2022 Oxford International AQA Examinations and its licensors. All rights reserved.



2 0



2 2 6 X P S 0 3

IB/G/Jun22/PS03