OXFORD

INTERNATIONAL
AQA EXAMINATIONS

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I declare this is my own work.

INTERNATIONAL A-LEVEL
PSYCHOLOGY

Unit 3 Advanced Topics and Research Methods 2

Wednesday 19 January 2022 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	

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Section A: Psychology of Sleep

Answer **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.

0 1 Which of the following is an ultradian rhythm?

Shade **one** box.

[1 mark]

A Cycle of seasonal depression ⬭

B Menstrual cycle ⬭

C Sleep/wake cycle ⬭

D Stages of sleep cycle ⬭

0 2 Describe **two** symptoms of narcolepsy.

[4 marks]

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0 3 Briefly outline **two** effects of shift work on biological rhythms.

[2 marks]

0 4 Explain **one** difference between non-REM sleep and REM sleep.

[3 marks]

0 5 Describe and evaluate evolutionary explanations for the function of sleep.

[20 marks]

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Extra space

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30

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Section B: Schizophrenia

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

0 6 Lizzie has schizophrenia. She hears voices in her head which she finds distracting. Lizzie does not make any effort to see her friends. When talking to other people, she will often reply using single words or does not respond at all. Lizzie also suffers from depression.

0 6 . 1 Identify **one** positive symptom and **one** negative symptom of schizophrenia shown by Lizzie.

[2 marks]

Positive symptom _____

Negative symptom _____

0 6 . 2 Briefly outline the negative symptom of schizophrenia you identified in your answer to Question **6.1**.

[1 mark]

_____

_____

0 6 . 3 Outline what is meant by co-morbidity in the diagnosis of schizophrenia. Refer to Lizzie in your answer.

[3 marks]

_____

_____

_____

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0 7 Explain how symptom overlap may reduce the validity of the diagnosis of schizophrenia.

[3 marks]

0 8 Describe and evaluate anti-psychotic drugs as a therapy for schizophrenia.

[9 marks]

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Extra space

Turn over for the next question

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0 9 Discuss cognitive explanations for schizophrenia.

[12 marks]

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Section C: Research Methods 2

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

A researcher investigated whether males or females were more likely to conform with the majority. The researcher used a sample of eight male and eight female participants. They were not told the true purpose of the study.

Each participant was tested one at a time in a group with nine confederates (friends of the researcher). The researcher read out a series of 10 clearly incorrect statements to the group. Each person was asked to raise his or her hand if he or she believed each statement was correct. The confederates had been told beforehand to raise their hand for each statement.

The researcher recorded how many times each participant raised his or her hand.

1 0 Identify the independent variable and the dependent variable in this study.

[2 marks]

Independent variable _____

_____

Dependent variable _____

_____

1 1 Write a suitable hypothesis for this study.

[3 marks]

_____

_____

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1 2 Explain why the data collected in this study was primary data.

[2 marks]

1 3 Identify the experimental design used in this study. Explain your answer.

[2 marks]

1 4 Briefly explain **one** strength of the experimental design you identified in your answer to Question **13**.

[2 marks]

1 5 Explain **one** way of assessing the reliability of this study.

[3 marks]

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1 6 The results for the female participants are shown in **Table 1**.

Referring to the information in **Table 1**, explain why the mean was **not** the most suitable measure of central tendency to use with this data.

[3 marks]

Table 1

Participant	**The number of times each female participant raised her hand**
1	3
2	3
3	2
4	1
5	3
6	9
7	0
8	9
Mean	**3.75**

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1 7 Identify an appropriate statistical test which could be used to analyse the results of this investigation into whether males or females were more likely to conform. Explain **three** reasons why the test you have chosen would be suitable in this case.

[4 marks]

1 8 The researcher found that the difference in the number of times males and females conformed was 'not significant at the 0.05 level of significance'. Explain what is meant by 'not significant at the 0.05 level of significance' in this study.

[3 marks]

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1 9 Explain **one** reason why it was necessary for the researcher to deceive the participants in this study.

[3 marks]

2 0 The researcher used an experimental method in this study. Explain how the researcher could use a different research method to find out why some participants conformed more than others.

[3 marks]

30

END OF QUESTIONS

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ANSWER IN THE SPACES PROVIDED

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