OXFORD AQA

INTERNATIONAL QUALIFICATIONS

Please write clearly in block capitals.

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

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Forename(s) _____

Candidate signature _____

I declare this is my own work.

INTERNATIONAL A-LEVEL
PSYCHOLOGY

Unit 3 Advanced Topics and Research Methods 2

Monday 8 January 2024 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	
Question	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 Explain **two** differences between non-REM sleep and REM sleep.

[4 marks]

Difference 1 _____

Difference 2 _____

Do not write outside the box

Imran has been having trouble sleeping for the past 2 months. Every night he lies in bed for several hours trying to fall asleep. When he finally does fall asleep, he wakes up regularly throughout the night. Imran feels tired during the day, struggles to complete his day job and often becomes angry at his work colleagues. Imran's doctor has diagnosed him with insomnia.

0 2 Use your knowledge of **three** symptoms of insomnia to explain Imran's behaviour.

[6 marks]

Symptom 1 _____

Symptom 2 _____

Symptom 3 _____

Turn over for the next question

Do not write outside the box

0 3 Describe and evaluate research into biological rhythms.

[20 marks]

Do not write outside the box

Do not write outside the box

Extra space

30

Do not write outside the box

Turn over for the next question

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ANSWER IN THE SPACES PROVIDED

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Section B: Schizophrenia

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

0 4 Identify **one** positive symptom and **one** negative symptom of schizophrenia.

[2 marks]

Positive symptom _____

_____

Negative symptom _____

_____

Kiera has been diagnosed with schizophrenia and suffers from both positive and negative symptoms.

Kiera's doctor suggests using anti-psychotic drugs to help her manage her symptoms. Kiera is worried as she does not know how anti-psychotic drugs work.

0 5 Using your knowledge of anti-psychotic drugs, explain what the doctor could tell Kiera about anti-psychotic drugs as a possible therapy for her.

[4 marks]

_____

_____

_____

_____

_____

_____

_____

_____

Do not write outside the box

0 6 Describe the genetic explanation for schizophrenia.

[6 marks]

Extra space

Do not write outside the box

0 7 Evaluate the neural correlates explanation for schizophrenia.

[6 marks]

Extra space

Do not write outside the box

0 8 Discuss cognitive therapy as a treatment for schizophrenia.

[12 marks]

Do not write outside the box

30

Do not write outside the box

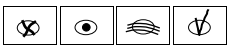
Section C: Research Methods 2

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

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

For each 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.

Aya was referred to a psychologist. She had suffered damage to her brain following a car accident, which resulted in significant memory problems. The psychologist decided to carry out a case study to investigate the extent of Aya's memory problems.

0 9 Outline what is meant by a case study.

[2 marks]

1 0 Explain how the psychologist might ensure confidentiality in this case study.

[2 marks]

Do not write outside the box

As part of the case study, the psychologist created a questionnaire for Aya's family to complete to investigate how her memory had been affected by the accident.

1 1 Write a suitable open question that the psychologist could include in the questionnaire.

[2 marks]

1 2 Explain how the psychologist could test the face validity of the questionnaire.

[4 marks]

1 3 Which **one** of the following types of data is most often produced by open questions?

Shade **one** box only.

[1 mark]

A Interval ⬭

B Nominal ⬭

C Qualitative ⬭

D Quantitative ⬭

Do not write outside the box

1 4 Briefly explain **one** strength and **one** limitation of case studies.

[4 marks]

Strength _____

Limitation _____

Turn over for the next question

Do not write outside the box

The psychologist conducted a memory experiment with Aya.

In the experiment, Aya took part in two conditions.

Condition 1: Aya was given 1 minute to read a list of 20 words. She was then asked to immediately write down as many words as she could remember. This was a test of her short-term memory.

Condition 2: Aya was given 1 minute to read a second list of 20 different words. After a 10-minute delay, Aya was asked to write down as many words as she could remember from this second list. This was a test of her long-term memory.

The results of the psychologist's experiment can be seen in **Table 1** below.

Table 1 Number of words out of 20 recalled in the memory experiment

Condition 1: Immediate recall	Condition 2: 10-minute delay
14	1

1 5 Calculate the percentage number of words recalled in Condition 1 **and** in Condition 2.

[2 marks]

Condition 1 _____

Condition 2 _____

Do not write outside the box

1 6 Using the data in **Table 1**, suggest what the psychologist could conclude about Aya's memory after her accident.

[2 marks]

1 7 Explain how the psychologist could use the test-retest method to assess the reliability of the results of this experiment.

[4 marks]

Turn over for the next question

Do not write outside the box

1 8 The psychologist has already used questionnaires and conducted an experiment as part of Aya's case study.

Identify and explain how the psychologist could use **one other** method in Aya's case study.

[4 marks]

After carrying out research, psychologists often write a scientific report about their study.

1 9 Name **one** section included in a scientific report. Briefly explain what information would need to be included in the section you have named.

[3 marks]

Section of scientific report

Explanation

30

END OF QUESTIONS

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ANSWER IN THE SPACES PROVIDED

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