OXFORD

INTERNATIONAL
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I declare this is my own work.

INTERNATIONAL AS
PSYCHOLOGY

Unit 2 Biopsychology, Development and Research Methods 1

Friday 2 June 2023 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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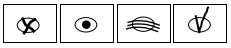
Section A: Biopsychology

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 Identify the division of the nervous system which is mostly associated with motor movements, such as running.

Shade **one** box only.

[1 mark]

A Autonomous nervous system ⬭

B Central nervous system ⬭

C Peripheral nervous system ⬭

D Somatic nervous system ⬭

0 2 What is the function of neurotransmitters during synaptic transmission?

[2 marks]

Do not write outside the box

0 3 Describe the structure **and** function of a relay neuron.

[4 marks]

0 4 Localisation of function in the brain suggests specific brain areas are specialised for certain functions.

Briefly explain the function of the auditory centre.

[2 marks]

Turn over for the next question

Do not write outside the box

0 5 Amaan is waiting to be interviewed for a new job. He is very nervous. His heart is beating very fast. Amaan feels sick and his mouth is dry. His legs are shaking.

Describe the fight or flight response. Refer to Amaan's experience in your answer.

[9 marks]

Do not write outside the box

Extra space

Do not write outside the box

0 6 Describe and evaluate research into plasticity **and** functional recovery after trauma.

[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: Cognitive Development

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

0 7 What does Piaget mean by equilibration?

[4 marks]

Turn over for the next question

Do not write outside the box

0 8 Mimi is three years old and is playing with her older sisters, Bex and Robyn. Robyn places her ball in a box and leaves the room. Bex takes the ball out of the box and hides it in a cupboard. When Robyn returns, she looks for her ball in the box and is very surprised when she cannot find it. Mimi laughs and asks, "Have you forgotten that your ball is in the cupboard?"

Using your knowledge of theory of mind, explain the behaviours of Mimi and Robyn.

[6 marks]

Do not write outside the box

0 9 Mona is teaching her younger brother Arno to count.

Pointing to Arno's toy cars, Mona says out loud the numbers one to five. Mona says to Arno, "Now, you have a go. Point with your finger at the cars." As Arno tries to count, Mona says, "Well done, Arno! Do it again." After his sister's help, Arno can now count to five easily.

Discuss Vygotsky's theory of cognitive development. Refer to Arno and Mona in your answer.

[20 marks]

Do not write outside the box

Do not write outside the box

Extra space

30

Do not write outside the box

Section C: Research Methods 1

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

A teacher wanted to find out what techniques her students used when they revised for a test. She decided to collect primary data. After a lesson, she approached five students and asked if they would take part in a short interview.

She interviewed each of the students individually. At the start of each interview, she asked the student how they revised. Depending on their answer, she then thought of further questions to ask.

1 0 Identify the type of interview the teacher used. Briefly explain your answer.

[2 marks]

1 1 Identify the sampling technique used by the teacher.

[1 mark]

Do not write outside the box

1 2 Explain why there might be bias in the sample the teacher used.

[3 marks]

1 3 Briefly explain **two** limitations of using self-report techniques.

[4 marks]

Limitation 1

Limitation 2

1 4 Briefly explain why the data the teacher collected is primary data.

[2 marks]

Do not write outside the box

1 5 Students may have felt embarrassed and anxious when they were interviewed by their teacher.

Explain how the teacher could have made sure her students were protected from psychological harm during the interview.

[3 marks]

1 6 At the end of each interview, the teacher conducted a debrief with the student.

Explain what information the teacher should have provided in the debrief.

[3 marks]

Do not write outside the box

1 7 In her interviews, the teacher collected qualitative data.

Outline **two** differences between qualitative and quantitative data.

[4 marks]

Difference 1 _____

_____

_____

_____

Difference 2 _____

_____

_____

_____

Turn over for the next question

Do not write outside the box

Follow-up study

In the interviews, most students mentioned using visual aids, such as posters. The teacher wanted to follow up her study into revision techniques. She decided to investigate how useful posters are when revising. Her class was due to take a psychology test. The teacher divided her class into two groups.

Group 1 was told to revise only by making posters.
Group 2 was told to use any revision technique apart from posters.

The students all completed the same psychology test. The test had a maximum score of 20 marks.

1 8 Identify the experimental design used by the teacher. Briefly justify your answer.

[2 marks]

1 9 Identify the operationalised dependent variable in the follow-up study.

[2 marks]

Do not write outside the box

2 0 Identify the type of experiment used by the teacher in the follow-up study.
Briefly justify your answer.

[2 marks]

2 1 Identify **one** extraneous variable in the follow-up study and briefly explain how the teacher could have dealt with this.

[2 marks]

30

END OF QUESTIONS

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ANSWER IN THE SPACES PROVIDED

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