

Please write clearly in block capitals.

Centre number

Candidate number

Surname _____

Forename(s) _____

Candidate signature _____

INTERNATIONAL A-LEVEL PSYCHOLOGY

UNIT 2 BIOPSYCHOLOGY, DEVELOPMENT AND RESEARCH METHODS

Specimen 2018

Morning 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 the 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.
- 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.
- You may use a bilingual dictionary.
- You may **not** use an English dictionary.


Advice


For the multiple-choice questions, completely fill in the circle alongside the correct answer.

For each answer completely fill in the circle alongside the appropriate answer.

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

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. 

For Examiner's Use	
Question	Mark
1	
2	
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TOTAL	

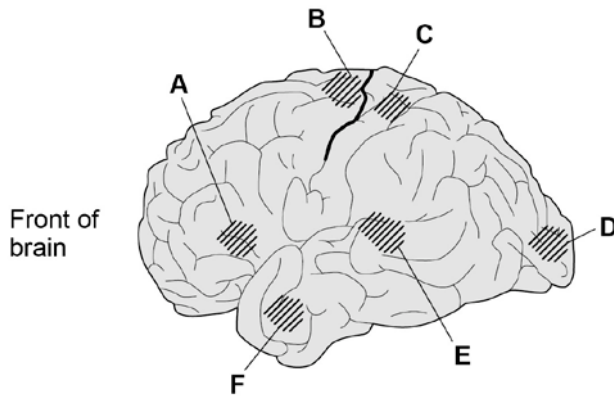
Section A: Biopsychology

Answer **all** questions in the spaces provided

0 1

Figure 1 shows the left hemisphere of the human brain. Six areas of cortical specialisation are labelled **A, B, C, D, E** and **F**.

Figure 1: Left hemisphere of the human brain



Use your knowledge of localisation of function in the brain to identify the centres or areas of the brain named below.

In each case, match the named area with the appropriate label (A-F) from **Figure 1**. Shade **one** box only for each area.

0 1

1 Broca's area

A	<input type="radio"/>	B	<input type="radio"/>	C	<input type="radio"/>	D	<input type="radio"/>	E	<input type="radio"/>	F	<input type="radio"/>
----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------

[1 mark]

0 1

2 Somatosensory cortex

A	<input type="radio"/>	B	<input type="radio"/>	C	<input type="radio"/>	D	<input type="radio"/>	E	<input type="radio"/>	F	<input type="radio"/>
----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------

[1 mark]

0 1

3 Visual cortex

A	<input type="radio"/>	B	<input type="radio"/>	C	<input type="radio"/>	D	<input type="radio"/>	E	<input type="radio"/>	F	<input type="radio"/>
----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------

[1 mark]

0 1

4 Wernicke's area

A	<input type="radio"/>	B	<input type="radio"/>	C	<input type="radio"/>	D	<input type="radio"/>	E	<input type="radio"/>	F	<input type="radio"/>
----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------

[1 mark]

0 1

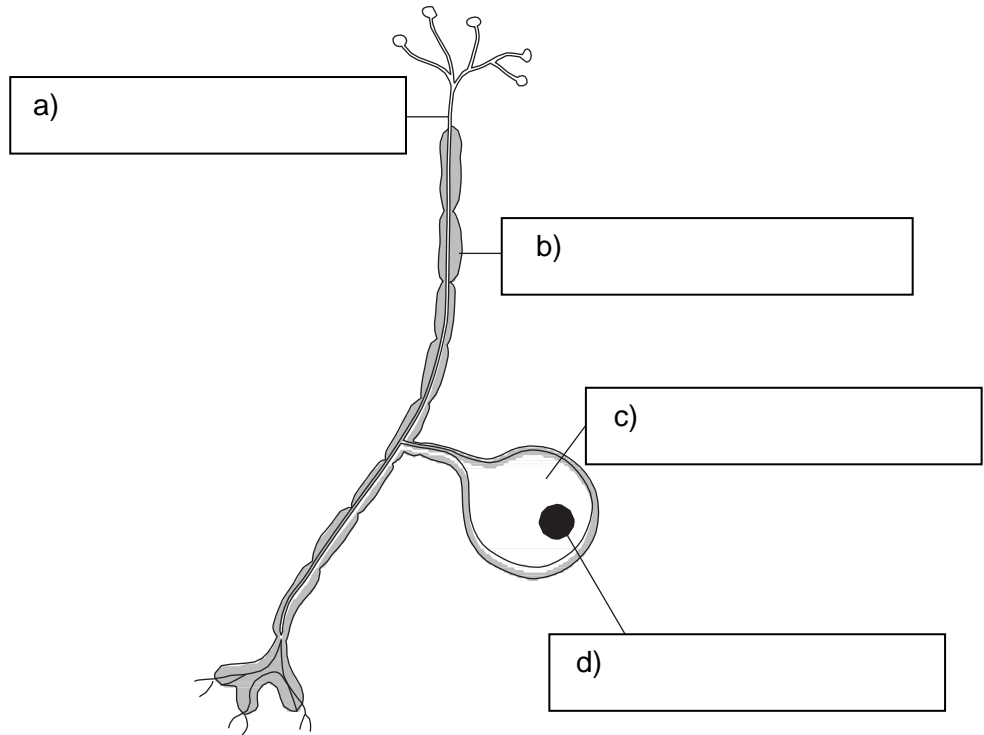
5 Motor cortex

A	<input type="radio"/>	B	<input type="radio"/>	C	<input type="radio"/>	D	<input type="radio"/>	E	<input type="radio"/>	F	<input type="radio"/>
----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------	----------	-----------------------

[1 mark]

0 2

Below is a diagram of a sensory neuron (**Figure 2**). Name the structures labelled a – d. Write the name of **each** structure in the box provided.

Figure 2**Sensory Neuron****[4 marks]**

Section B: Development

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

0	6
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Outline the procedure involved in the Sally-Anne studies of theory of mind.

[4 marks]

Section C Research: Methods 1

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

0 9

Read the item and answer the question that follows.

A psychologist investigated differences in language ability between 5-year-old boys and 5-year-old girls.

Ten girls and ten boys were selected from a local school. The children were chosen to take part by their teacher.

To assess each child's language ability, the psychologist used a 10-minute test. A high score on the test indicated good language ability and a low score on the test indicated poor language ability.

The results are shown in **Table 2** below.

Table 2: The language ability scores for 10 girls and 10 boys

Girls' scores	Boys' scores
46	52
58	32
90	51
41	86
52	42
73	62
81	47
79	65
47	70
82	48
Mean for girls = 64.9	
Range for girls = 49.0	

Calculate the mean language ability score and the range for boys. Show your workings.

[4 marks]

Boys' mean score _____

Boys' range _____

1	0
---	---

Explain why the psychologist chose to calculate the means and ranges in this study rather than just consider the individual scores.

[4 marks]

1	1
---	---

What is the independent variable (IV) in this study?

[1 mark]

- A Age of child
- B Language ability
- C Sex of participant
- D Type of test

1	2
---	---

What is the operationalised dependent variable (DV) in this study.

[1 mark]

- A Language ability
- B Language test score
- C Sex of participant
- D Time taken to complete the test

1	3
---	---

The children's own teacher selected them to take part in the study. Explain **one** problem with selecting the children in this way.

[4 marks]

1	4
---	---

Explain how the psychologist could have used random sampling in this study.

[4 marks]

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