



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

AS PSYCHOLOGY (SPECIFICATION B)

Unit 1 Introducing Psychology

Monday 15 May 2017

Afternoon

Time allowed: 1 hour 30 minutes

Materials

You will need no other materials.
You may use a calculator.

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.
- 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 60.
- Questions 1(e) and 2(d) should be answered in continuous prose. You may use the space provided to plan your answer. In these questions, you will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
TOTAL	



J U N 1 7 P S Y B 1 0 1

G/DW/Jun17/E5

PSYB1

1 (c) Which **two** of the following statements are **true**?

Tick (✓) **two** boxes only.

[2 marks]

	Tick (✓)
Adrenalin is a hormone which causes the heart to beat more slowly.	
The auditory centre of the brain is located in the occipital lobe.	
An EEG is used to detect brain wave activity.	
Synaptic transmission only occurs in the autonomic nervous system during the fight or flight response.	
The peripheral nervous system carries information to the brain and from the brain.	

1 (d) (i) Cognitive psychologists have studied internal mental processes in different ways. One way is scanning. Give **one other** method or technique used to study internal mental processes.

[1 mark]

1 (d) (ii) Explain **one** advantage of studying internal mental processes, using the method you have given in your answer to **1(d)(i)** above.

[2 marks]

Question 1 continues on the next page

Turn over ►



Section B Gender Development

Answer **all** parts of this question which carries 20 marks.

- 2** In a study of sex-role stereotyping, children aged between 4 years old and 9 years old were asked a number of questions about the suitability of men and women for different occupations. The researchers were looking at the possible relationship between the ages of the children and their expectations about sex-role stereotyping.

The answers of each child to the questionnaire were scored out of 30. A high score would indicate answers that were extremely stereotypical and a low score would indicate answers that were not very stereotypical. The researchers worked out a median score for the questionnaire for each age group. The data for the study are shown in **Table 1** below.

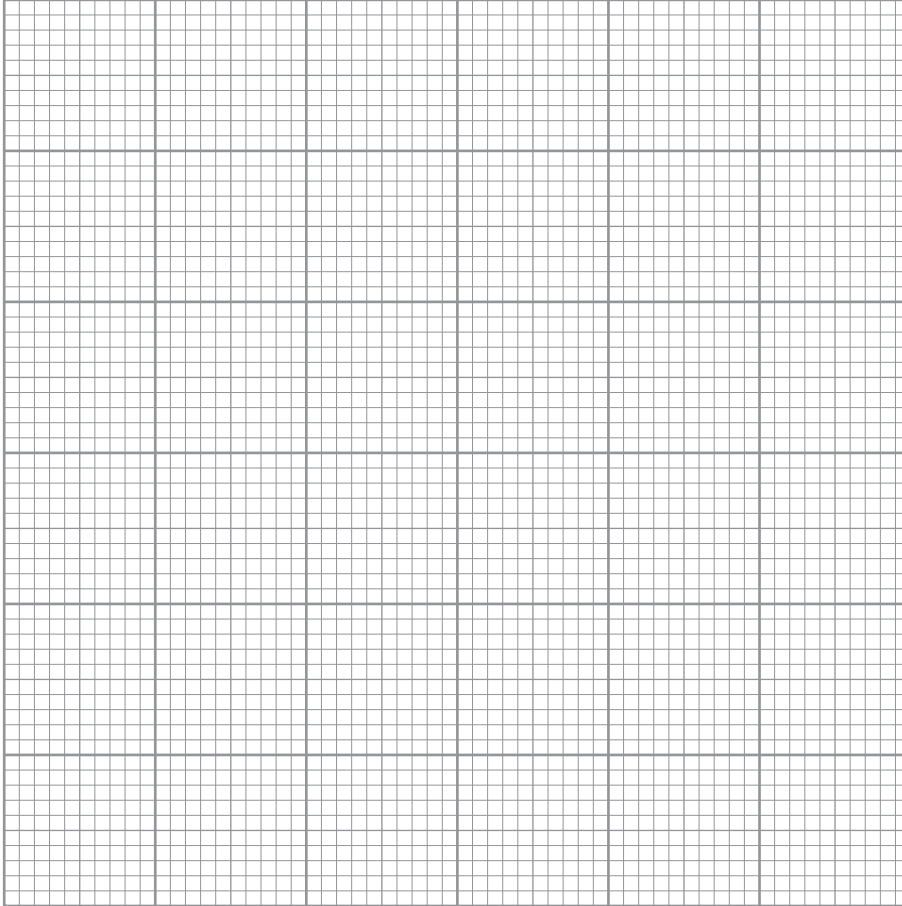
Table 1 The median questionnaire score for each age group

Age of children in the group	Median questionnaire score for the group
4	27
5	21
6	15
7	9
8	8
9	7



2 (a) (i) Use the graph paper below to sketch a scattergram of the data shown in **Table 1**.
You do not need to provide a title.

[2 marks]



2 (a) (ii) What type of relationship can be seen in the scattergram you have drawn?
Explain your answer.

[2 marks]

Turn over ►



Section C Research Methods

Answer **all** parts of this question which carries 20 marks.

- 3** A researcher wanted to find out if recording different types of everyday experiences affects happiness. She obtained an opportunity sample of 40 students aged 16 and 17 years. She asked them to record in a diary particular events that occurred over a period of two weeks. The students were randomly allocated to one of two conditions.

Condition 1: students were asked to record pleasant events.

Condition 2: students were asked to record events that had upset them.

At the end of the two weeks, all the students were asked to rate how happy they felt on a scale of 1 to 20, where 1 means very unhappy and 20 means very happy.

The results of the study are shown in **Table 2** below.

Table 2 Median ratings of happiness for Condition 1 (recording of pleasant events) and Condition 2 (recording of upsetting events) and the ranges for each condition

	Condition 1: recording of pleasant events	Condition 2: recording of upsetting events
Median happiness rating	17	12.5
Range	4	9

- 3 (a)** With reference to the descriptive statistics in **Table 2**, what do the results of the study suggest?

[4 marks]

Turn over ►



3 (b) Give **one** limitation of using an opportunity sample in psychological research.

[1 mark]

3 (c) Explain how the researcher could have randomly allocated the students to **Condition 1** and **Condition 2**.

[3 marks]

3 (d) Why was it important for the researcher to use random allocation to assign the students to the different conditions in this study?

[2 marks]



3 (e) Identify the independent variable and the dependent variable in this study. **[2 marks]**

Independent variable _____

Dependent variable _____

3 (f) Write a suitable hypothesis for this study. **[2 marks]**

3 (g) Identify the experimental design used in this study. Explain why this is a suitable experimental design for this study. **[3 marks]**

Question 3 continues on the next page

Turn over ►



3 (h) Suggest **one** extraneous variable that might be present in this study.

[1 mark]

3 (i) Students were asked to record events in a diary. Briefly explain **one** problem with this.

[2 marks]

20

END OF QUESTIONS



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