

Please write clearly in block capitals.

Centre number

--	--	--	--	--

Candidate number

--	--	--	--

Surname

---

Forename(s)

---

Candidate signature

---

# INTERNATIONAL A-LEVEL PSYCHOLOGY

## UNIT 3 ADVANCED TOPICS AND RESEARCH METHODS 2

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.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
<b>TOTAL</b>	

### Section A: Psychology of sleep

Answer **all** questions in the spaces provided

<b>0</b>	<b>1</b>
----------	----------

In **Table 1** below there are four examples of biological rhythms.

For **each** example, indicate whether it is a circadian, infradian or ultradian rhythm by ticking the correct box in **Table 1** next to the example.

**Table 1**

<b>Example of biological rhythm</b>	circadian	infradian	ultradian
Alternating periods of REM and non-REM sleep			
Changes in body temperature throughout the day and night			
Depression that occurs regularly at a certain time of year			
The normal sleep-wake cycle			

**[4 marks]**

Leila is a doctor. She has just started working on night duty at the hospital. After a week on night duty, she finds that she has problems sleeping during the day and is becoming anxious and irritable. Leila also finds it hard to concentrate when she is working at night.

**[6 marks]**

[illegible]

0	3
---	---

Describe and evaluate the restoration theory of sleep.

**[20 marks]**

[illegible]



## Section B: Schizophrenia

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

0	4
---	---

Describe the procedure **and** findings of a study in which the reliability of diagnosis of schizophrenia was investigated.

**[6 marks]**

0 5

Read the item and answer the question that follows.

Matt and Andrew both show symptoms of schizophrenia in their behaviour.

Matt believes that people want to hurt him. He hears voices telling him to stay in the house and keep the blinds closed. He sometimes has periods of wild excitable behaviour.

When Andrew speaks, his words are unconnected and the sentences make no sense. He cannot be bothered to get out of bed or eat.

Four symptoms of schizophrenia are listed below. Choose a behaviour from the descriptions of either Matt or Andrew above to match **each** symptom. Write the matching behaviour in the space provided next to the name of the symptom.

**[4 marks]**

Symptom

Behaviour from the descriptions of Matt or Andrew

Avolition

---



---

Delusion

---



---

Hallucination

---



---

Speech poverty

---



---

0	6
---	---

Discuss the use of drug therapy for schizophrenia.

**[20 marks]**

[illegible]





### Section C Research: Research Methods 2

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

A psychologist wanted to know if there was a relationship between job stress and the number of hours worked per week.

He asked 10 people working in different jobs to record in a diary the number of hours they worked over one week. At the end of the week, each person completed a job stress questionnaire. A high score on the questionnaire indicated high job stress and a low score indicated low job stress.

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

**Table 2 Hours worked in a week and job stress score**

Participants	Hours worked in a week	Job stress score
1	69	12
2	48	8
3	50	9
4	52	11
5	25	2
6	40	6
7	25	4
8	38	9
9	45	3
10	37	2

0	7
---	---

Suggest a suitable hypothesis for this study.

**[3 marks]**

---



---



---



---



---

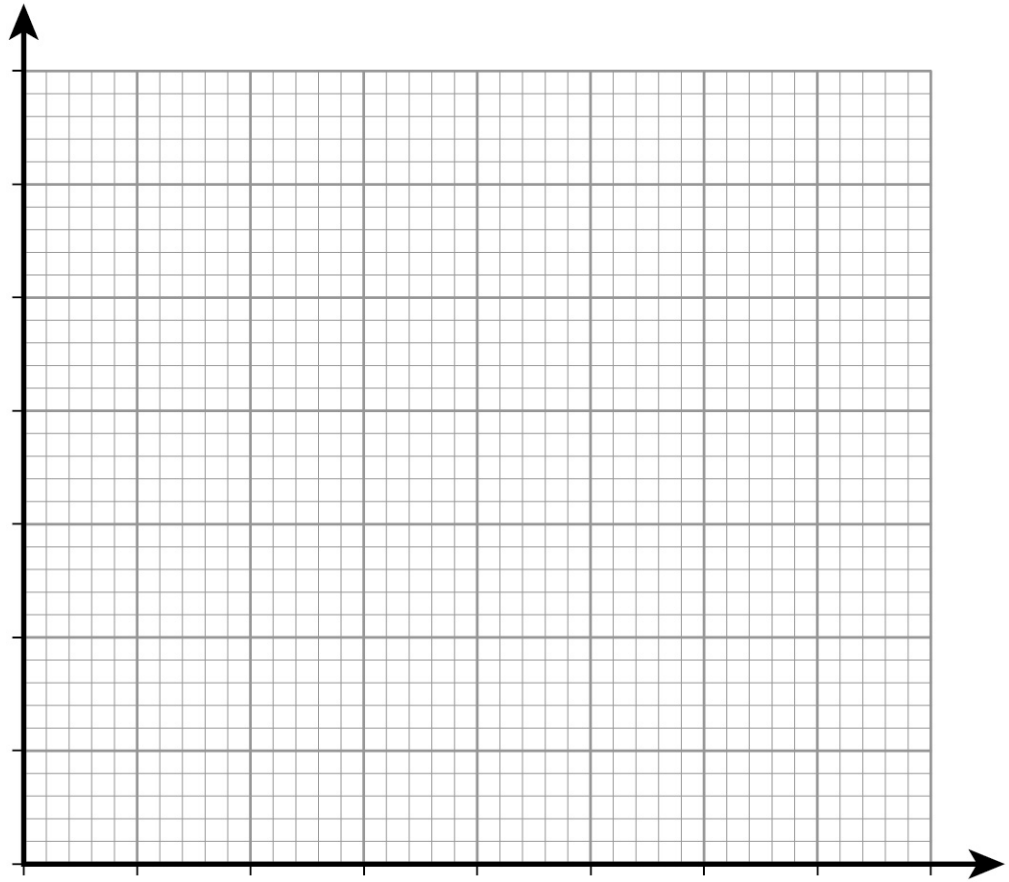


---

0	8
---	---

Using the data in **Table 2**, sketch an appropriate graphical display and label the axes. Use the graph paper below. You do not need to provide a title for your graph.

[4 marks]



0	9
---	---

Identify and interpret the relationship shown in the graphical display you have drawn in your answer to **08**.

[3 marks]

---



---



---



---



---



---

1	0
---	---

State an appropriate statistical test the psychologist could use to analyse the data in **Table 2**. Justify your answer

[4 marks]

---

---

---

---

---

---

---

---

---

---

1	1
---	---

The psychologist wants to know whether the results from the job stress questionnaire are reliable. Explain **one** way in which the psychologist could assess the reliability of the job stress questionnaire.

[4 marks]

---

---

---

---

---

---

---

---

---

---

1	2
---	---

Briefly discuss **at least one** problem that might occur with asking participants to record in a diary the number of hours they worked.

**[4 marks]**

---

---

---

---

---

---

---

---

---

---

1	3
---	---

Explain **one** ethical issue the psychologist would need to consider when carrying out this study.

**[4 marks]**

---

---

---

---

---

---

---

---

---

---

1	4
---	---

Another researcher decides to carry out a pilot study observation of how people spend their break time at work. She visits an office where all the employees have a 15-minute morning break. All employees spend their 15-minute break in a lounge area where there is seating and a drinks machine.

Suggest **one** advantage of carrying out a pilot study.

[1 mark]

---

---

---

---

1	5
---	---

Suggest **three** behavioural categories the researcher could observe at break time. Write your answers in the spaces below.

[3 marks]

i

---

ii

---

iii

---

---

---

---

---

---

---

**END OF QUESTIONS**

**DO NOT WRITE ON THIS PAGE  
ANSWER IN THE SPACES PROVIDED**

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and Oxford International AQA Examinations will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team, AQA, Stag Hill House, Guildford, GU2 7XJ.

Copyright © 2017 Oxford International AQA Examinations and its licensors. All rights reserved.