



National
Qualifications
SPECIMEN ONLY

SQ39/H/01

Psychology

Date — Not applicable

Duration — 2 hours

Total marks — 60

SECTION 1 — RESEARCH — 20 marks

Attempt ALL parts of ALL questions.

SECTION 2 — INDIVIDUAL BEHAVIOUR — 20 marks

Attempt ALL questions.

SECTION 3 — SOCIAL BEHAVIOUR — 20 marks

Attempt ALL questions.

Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



* S Q 3 9 H 0 1 *

Section 1 — RESEARCH — 20 marks

Read the following scenario and attempt ALL parts of this question

A psychologist carried out a study which aimed to test the hypothesis that improving the quality and quantity of sleep would enhance the problem-solving ability of a group of 14-year-olds. She selected 40 pupils. The pupils were matched for their academic performance and sleeping habits. She allocated 20 pupils to group A and 20 pupils to group B.

At the beginning of the study, all 40 pupils were given the same problem-solving task. The time taken to solve the problem was recorded. (Table 1)

Pupils in group A were then taught a night time routine to improve the quality and quantity of their sleep. They were asked to stick to this routine for two weeks. Group B were not taught the night time routine.

At the end of two weeks all 40 pupils were given another problem-solving task. The task was similar in demand to the initial task. The time taken for each pupil to solve the problem was recorded. (Table 2)

Table 1: Mean and range of time taken to solve problem-solving task 1

Problem-solving task 1	Group A	Group B
Mean	3 minutes	2.8 minutes
Range	2 minutes	2.5 minutes

Table 2: Mean and range of time taken to solve problem-solving task 2

Problem-solving task 2	Group A	Group B
Mean	2.5 minutes	2.7 minutes
Range	0.5 minutes	1.5 minutes

1. (a) Describe the independent variable, dependent variable and one possible extraneous variable within this study. 3
- (b) Explain **two** ethical considerations relevant to this study and how the researcher could have addressed them. 4
- (c) Explain **two** calculations that the researcher has carried out to summarise the raw data. 4
- (d) Analyse this study in terms of the methodology, the results and the conclusion. 9

Section 2 — INDIVIDUAL BEHAVIOUR — 20 marks

Attempt ALL questions

1. Describe **three** factors that affect brain function in relation to sleep, dreams and disorders. 6

2. Choose an individual behaviour topic other than sleep, dreams and disorders.
Explain this topic using **two** psychological approaches and/or theories. 14

Section 3 — SOCIAL BEHAVIOUR — 20 marks

Attempt ALL questions

- | | |
|--|---|
| 1. Explain two factors related to obedience that influence behaviour. | 6 |
| 2. Describe three different types of conformity. | 6 |
| 3. Evaluate strengths and weaknesses of Milgram's studies of obedience. | 8 |

[END OF SPECIMEN QUESTION PAPER]