

Psychology
Advanced Subsidiary
PAPER 1: Social and Cognitive Psychology

Total Marks

Monday 15 May 2023 – Afternoon

Time: 1 hour 30 minutes

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

YOU MUST HAVE

Nil

YOU WILL BE GIVEN

**Formulae and statistical tables Booklet
Data Booklet**

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided – there may be more space than you need.

INFORMATION

The total mark for this paper is 70.

The marks for EACH question are shown in brackets – use this as a guide as to how much time to spend on each question.

The list of formulae and statistical tables are provided as a separate booklet.

Candidates may use a calculator.

ADVICE

Read each question carefully before you start to answer it.

Try to answer every question.

Check your answers if you have time at the end.

SECTION A

SOCIAL PSYCHOLOGY

Answer ALL questions.

- 1 When studying social psychology you will have learned about realistic conflict theory (Sherif, 1966).**

- (a) Define the concept of ‘superordinate goals’ as used in realistic conflict theory.
(1 mark)**

(continued on the next page)

1 continued.

- (b) Explain TWO strengths of realistic conflict theory (Sherif, 1966).
(4 marks)**

Answer space continues on the next page.

1 _____

2 _____

Turn over

1(b) continued.

(Total for Question 1 = 5 marks)

- 2** Natasha has just moved from a small rural school to a large city school and is finding it difficult to make new friends. The children in her class are mean to her and laugh at her accent. One girl in particular tells her that she is 'not good enough' and should never have been allowed to join their class.

- (a) Describe ONE way that personality could account for the discrimination Natasha is experiencing.
(2 marks)**

(continued on the next page)

2 continued.

- (b) Prejudice and discrimination can also be affected by the situation.**

Describe ONE way that the situation could account for the discrimination Natasha is experiencing.

(2 marks)

(Total for Question 2 = 4 marks)

- 3 Explain ONE strength and ONE weakness of social impact theory as an explanation of obedience.
(4 marks)**

Answer space continues on the next page.

Strength

Weakness

Turn over

3 continued.

(Total for Question 3 = 4 marks)

- 4 Megan was interested in whether there was a difference in obedience reported by males and females.**

Megan recruited a group of males (group A) and a group of females (group B) from a local college for her investigation. To measure obedience, she asked the participants to record how many times they disobeyed a parent or guardian's request during a 30-day period.

Look at TABLE 1 for Questions 4(a) and 4(b) in the Data Booklet. The results of Megan's investigation are shown in TABLE 1.

(continued on the next page)

4 continued.

- (a) Calculate the median number of times the MALE participants disobeyed a parent/guardian request (in 30 days).
(1 mark)**

SPACE FOR CALCULATIONS

Median for males _____

(continued on the next page)

4 continued.

- (b) Calculate the mean number of times the FEMALE participants disobeyed a parent/guardian request (in 30 days).
(1 mark)**

SPACE FOR CALCULATIONS

Mean for females _____

(continued on the next page)

4 continued.

- (c) Look at TABLE 2 for Question 4(c) in the Data Booklet. Using the data calculate the standard deviation for the number of times the male participants disobeyed a parent/guardian request (in 30 days).**

**You must show your working and give your answer to TWO decimal places.
(3 marks)**

SPACE FOR CALCULATIONS

Standard deviation _____

(Total for Question 4 = 5 marks)

Turn over

- 5** Elijah and his friends are in a fancy restaurant and are sat at their table.

Elijah's friends are swearing and being very loud. Elijah begins to speak at a louder volume and also to swear. The manager of the fancy restaurant comes to the table and asks Elijah and his friends to stop swearing and be quieter. Elijah and his friends stop swearing and speak at a lower volume.

Later in the evening, Elijah and his friends are on the bus going home, and are swearing and speaking very loudly. The manager from the fancy restaurant is also on the bus, and asks them to stop swearing and speaking so loudly. Elijah and his friends ignore the manager from the fancy restaurant.

**Describe how Milgram's research into obedience could account for Elijah and his friends' behaviour.
(3 marks)**

Answer space continues on the next page.

5 continued.

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(Total for Question 5 = 3 marks)

Turn over

6 In social psychology you will have learned about one of the following contemporary studies in detail:

- **Burger (2009)**
- **Reicher and Haslam (2006)**
- **Cohrs et al. (2012)**

**Evaluate your chosen contemporary study in terms of reliability and validity.
(8 marks)**

Answer space continues on the next 5 pages.

Chosen study

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6 continued.

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6 continued.

(Total for Question 6 = 8 marks)

TOTAL FOR SECTION A = 29 MARKS

SECTION B**COGNITIVE PSYCHOLOGY**

Answer ALL questions.

- 7** In your studies of cognitive psychology you will have learned about the working memory model (Baddeley and Hitch, 1974).

**(a) Describe the phonological loop.
(2 marks)**

(continued on the next page)

Turn over

7 continued.

- (b) Explain ONE weakness of the working memory model (Baddeley and Hitch, 1974).
(2 marks)**

(Total for Question 7 = 4 marks)

- 8 Explain TWO weaknesses of using case studies of brain-damaged patients when researching memory. (4 marks)

Answer space continues on the next page.

1 _____

2 _____

8 continued.

(Total for Question 8 = 4 marks)

- 9 Stefan is a psychology teacher who is investigating the influence of note-taking on the performance of his students.**

He splits his students into two groups.

Group 1: Students who write summary notes of the lesson content in their own words.

Group 2: Students who do not write any summary notes of the lesson content and just use the printed notes given to them.

After a two-week period, Stefan gives his students a test on the lesson content he has taught since the students were assigned to their groups. Stefan assesses their performance on the test, which was out of 32 marks.

Look at TABLE 3 for Questions 9(a) and 9(b) in the Data Booklet. The results of Stefan's investigation are shown in TABLE 3.

(continued on the next page)

9 continued.

- (a) From the total number of students in GROUP 1, calculate the percentage of students who scored higher than 20 in the test.
(1 mark)**

SPACE FOR CALCULATIONS

Percentage _____

(continued on the next page)

9 continued.

- (b) The student participants in Stefan's sample consisted of twelve females and four males.**

Calculate what fraction of Stefan's sample were female.

**You must express your answer in its simplest form.
(1 mark)**

SPACE FOR CALCULATIONS

Fraction _____

(continued on the next page)

Turn over

9 continued.

- (c) Stefan wanted to analyse his data using a Mann-Whitney U test.**

Complete TABLE 4 for Question 9(c) in the Data Booklet and calculate the Mann-Whitney U test for Stefan's data. You must give your answer to ONE decimal place.

(4 marks)

SPACE FOR CALCULATIONS

$U_a =$ _____

$U_b =$ _____

$U =$ _____

(continued on the next page)

Turn over

9 continued.

- (d) Stefan was concerned about making a Type I error when analysing the results of his investigation.**

**Define what is meant by a Type I error.
(1 mark)**

(continued on the next page)

9 continued.

- (e) Explain ONE improvement Stefan could have made to his investigation.
(2 marks)**

(Total for Question 9 = 9 marks)

10 During your course you will have studied the multi-store model of memory (Atkinson and Shiffrin, 1968).

(a) Describe the ‘sensory register’ as part of the multi-store model of memory (Atkinson and Shiffrin, 1968).

(2 marks)

(continued on the next page)

10 continued.

- (b) Explain ONE strength of the multi-store model of memory (Atkinson and Shiffrin, 1968).
(2 marks)**

(Total for Question 10 = 4 marks)

- 11 Assess the key question you have studied from cognitive psychology.
(8 marks)**

Answer space continues on the next 5 pages.

11 continued.

[illegible]

Turn over

11 continued.

[illegible]

Turn over

11 continued.

[illegible]

Turn over

11 continued.

[illegible]

Turn over

11 continued.

(Total for Question 11 = 8 marks)

TOTAL FOR SECTION B = 29 MARKS

SECTION C

12 Evaluate the use of interviews and field experiments when conducting research in psychology. (12 marks)

Answer space continues on the next 7 pages.

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12 continued.

(Total for Question 12 = 12 marks)

TOTAL FOR SECTION C = 12 MARKS

TOTAL FOR PAPER = 70 MARKS

END OF PAPER