

Name: \_\_\_\_\_

Joseph Banks Secondary College  
Year 12 ATAR Psychology

Assessment Task 5 – Test 2  
62 marks (5% Response)

**UNIT LEARNING CONTEXT:***Diversity and the Community***OUTCOMES:**

Outcome 1:	<i>Psychological understandings</i>
Outcome 3:	<i>Applying and relating psychological understandings</i>
Outcome 4:	<i>Communication in psychology</i>

**ALLOCATED TIME FOR THE TASK:**

- You will have one period to complete the test in class.

**INSTRUCTIONS:**

- Attempt all questions
- No notes, files etc. to be accessed during the test

Section One – Research Methods	
Question 1	/10
Question 2	/10
<b>Total</b>	<b>/ 20</b>

Section Two – Short Answer	
Question 1 – Cognition	/ 24
Question 2 – Communication	/ 12
<b>Total</b>	<b>/ 42</b>

Total Marks	
Section 1 – Research Methods	/ 20
Section 2 – Short Answer	/ 36
<b>Assessment Task 5 – Total Marks</b>	<b>/ 62</b>

Teacher comment: \_\_\_\_\_

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**Section One: Research methods**

**(20 Marks)**

**Question 1**

**(10 marks)**

An experiment was conducted to determine the effect of meditation on memory. Researchers randomly divided 100 Year 11 students into two groups, with 50 participants in each group. Group One participated in 20 minutes of meditation before the test while Group Two did not participate in meditation. All participants sat a memory recall test at the same venue at the same time. The test required participants to recall as many words as possible from a list of 20 words they had been shown earlier.

(a) What is the independent variable? (1 mark)

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(b) List **two (2)** variables the researchers controlled in this study. (2 marks)

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(c) Write an operational hypothesis for this study. (3 marks)

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(d) Identify **two (2)** ethical considerations relevant to this study. For each consideration, identify how the researchers should deal with it. (4 marks)

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**Question 2****(10 marks)**

Researchers wanted to determine whether eating a healthy lunch improved mood. A sample of 10-year old boys was provided with a healthy lunch consisting of a sandwich and fruit. The boys were then asked to rate their mood on a 10-point scale. The responses were rated to give a 'mood score' where 10 was the most positive. The results are shown in the table below.

Participant	Mood score
1	2
2	1
3	7
4	6
5	2
6	2
7	1

- (a) Is there an evidence-based conclusion the researchers could draw from this study? (1 mark)

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- (b) This research method was criticised for having poor reliability. Define reliability as it is used in psychological research. (1 mark)

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- (c) This research method was criticised for having poor validity. Define validity as it is used in psychological research. (1 mark)

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(d) Calculate the mode, mean and median mood score from these results.

(3 marks)

Mode:

Mean:

Median:

(e) Identify **two (2)** sources of error in this experimental design. For each source of error, state how the design could be improved. (4 marks)

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## Section Two - Short answer questions

### Question One – Cognition

(24 marks)

- (a) Explain how information travels between the brain's memory stores according to the *multi-store model of memory*. Include all relevant terminology in your response. (10 marks)

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- (b) Define the following terms: (4 marks)

i. *Reinforcement*:

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ii. *Punishment*:

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(c) Describe an example of:

(4 marks)

i. *Negative reinforcement:*

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ii. *Positive punishment:*

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iii. Outline how *cognitive behaviour therapy* (CBT) could be used to treat this person's phobia.  
(6 marks)

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*“Women create feelings of closeness by conversing with their friends and lovers. Men don’t use communication in this way, so they can’t figure out why their women are continually talk, talk, talking. Eventually, many men just tune their women out”*

Explain how men and women use communication for different purposes. Include in your answer how this can lead to misunderstanding and even conflict in a relationship. (8 marks)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(b) Explain how the *nature of the communication* and the *characteristics of the audience* make the below advertisement potentially highly persuasive. (4 marks)

i. *Nature of the communication:*

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ii. *Characteristics of the audience:*

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