

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

Joseph Banks Secondary College  
Year 11 ATAR Psychology

Assessment Task 9 – Test 4  
58 marks (5% Response)

**OUTCOMES:**

|                   |   |
|-------------------|---|
| <i>Outcome 1:</i> | <i>Psychological understandings</i>                       |
| <i>Outcome 2:</i> | <i>Investigating in psychology</i>                        |
| <i>Outcome 3:</i> | <i>Applying and relating psychological understandings</i> |
| <i>Outcome 4:</i> | <i>Communication in psychology</i>                        |

**ALLOCATED TIME FOR THE TASK:**

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

**INSTRUCTIONS:**

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

| <b>Section One – Research Methods</b> |             |
|---------------------------------------|-------------|
| Question 1 – Research Methods         | / 10        |
| Question 2 – Research Methods         | / 11        |
| <b>Total</b>                          | <b>/ 20</b> |

| <b>Section Two – Short Answer</b> |             |
|-----------------------------------|-------------|
| Question 1 – Personality          | /20         |
| Question 2 - Developmental        | /18         |
| <b>Total</b>                      | <b>/ 38</b> |

| <b>Total Marks</b>                     |             |
|--|-------------|
| Section 1                              | / 20        |
| Section 2                              | / 38        |
| <b>Assessment Task 9 – Total Marks</b> | <b>/ 58</b> |

## Section One – Research Methods (20 marks)

### Question One

Researchers wanted to investigate the ongoing health effects of working as a medical student at a busy city hospital. Participants were first year medical students chosen from a hospital close to the university where the researchers worked. They were followed throughout their medical training. Researchers met participants once a year over an eight-year period.

- (a) Name the study design used by researchers. Circle the correct answer below. (1 mark)

**Longitudinal**     /     **Cross-sectional**

- (b) State **one** advantage of using this type of study design. (1 mark)

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- (c) State **one** disadvantage of using this type of study design. (1 mark)

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- (d) Identify the sampling technique used in this study. Justify your answer. (1 mark)

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- (e) State **one** disadvantage of this type of sampling. (1 mark)

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- (f) Provide ONE example of quantitative data and one example of qualitative data that psychologists could use to assess the health effects of working as a medical student. State whether each example is *objective* or *subjective*. (4 marks)

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## Question Two

Psychologists designed a study to test whether drinking goji berry juice improved adults' energy levels. Participants were randomly divided into two groups. Participants in Group 1 drank goji berry juice twice a day for 14 days. Participants in Group 2 drank artificially coloured and a flavoured water that looked and tasted like goji berry juice twice a day or 14 days. After the 14 days, the participants were asked to rate their energy levels on a scale from 0 to 100.

- (a) Identify the research design of this study. (1 mark)

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- (b) State an advantage and disadvantage of this design. (2 marks)

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- (c) Write an operational hypothesis for this study. (4 marks)

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- (d) Identify the main source of error in the data in this study. (1 mark)

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- (e) Outline **one** way of improving the study to reduce this source of error. (1 mark)

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- (i) Identify **two** pieces of information that the researchers must explain to participants at the start of the study to ensure that the research is conducted ethically. (2 mark)

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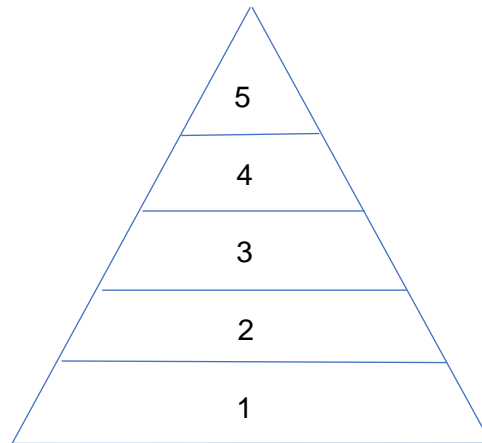
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## Section 2: Question One – Psychology of Personality (20 marks)

- (a) Like many psychologists, Maslow was a stage theorist. Diagrammatically, Maslow used the pyramid below to demonstrate personality development.



Name and describe each of the stages in Maslow's theory of personality development as demonstrated in the diagram. (6 marks)

|   |  |  |
|---|--|--|
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| 4 |  |  |
| 5 |  |  |

- (b) Describe **one (1)** *limitation* of Maslow's theory of personality development. (1 mark)

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- (c) *Sonya is a 20-year-old woman. Her hobbies are reading and watching movies. For as long as she can remember, Sonya has wanted to be a psychologist and to help people*

*with disabilities and is studying psychology at university. She works very hard at her studies and, although she always tries to do her best, she never gets stressed out by exams. Instead, she believes in her preparation and ability to get her through. Sonya's close friends describe her as 'level-headed'; a person who is able to stay calm in unsettling situations and who can think clearly when the pressure is on. Sonya has a very close, loving relationship with her parents and younger brother. If given the option, Sonya would prefer to spend time with her family and close friends, as opposed to with her wider circle of friends and acquaintances. Although Sonya has a Facebook account, she mainly uses it to see what her friends are doing as opposed to posting information about herself.*

Using Eysenck's theory of personality, identify and describe **two (2)** traits Sonya is *high in*. Include evidence from the description above to support your answer. (4 marks)

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(d) Outline **one (1)** real-world application or use of the trait theory of personality. (1 mark)

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(e) Freud theorised the use of defence mechanisms

i) Outline the purpose of a defence mechanism. (1 mark)

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ii) Outline the negative consequence of defence mechanisms. (1 mark)

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iii) Compare and contrast two theories of personality. (2 marks)

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(f) Outline and evaluate projective and non-projective tests. (4 marks)

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**Question Two – Developmental Psychology (18 marks)**

(a) Describe what psychologists mean by: (2 marks)

*Nature:*

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*Nurture:*

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- (b) Piaget identified four stages in a human's cognitive development. Name and describe the two stages below: (4 marks)

*Piaget's first stage of cognitive development:*

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

Description:

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*Piaget's third stage of cognitive development:*

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

Description:

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Dana is playing hide and seek with her brother Dion (age three). Dion stands in the centre of the room and covers his eyes with his hands and says, 'I am hiding'.

- (c) Explain, why Dion believes that he is hiding, referring to the relevant concept from Piaget's theory of cognitive development. (2 marks)

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- (d) Name and describe **one (1)** type of play as identified by Parten (1932). (2 marks)

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- (e) Outline two skills that children develop as part of their social and emotional development. (2 marks)

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Table 2: Concordance rates of a given trait in Monozygotic and Dizygotic twins

| Trait            | Monozygotic Twins | Dizygotic Twins |
|------------------|-------------------|-----------------|
| IQ               | 74                | 58              |
| Anxiety Disorder | 45                | 25              |
| Major Depression | 54                | 20              |

- (f) According to Table 2, which trait has a largest genetic component? Use information in the table to justify your answer. (2 marks)

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- (g) Explain why twin studies and adoption studies are useful for the Nature vs Nurture debate. (4 marks)

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