

Name: _____

Joseph Banks Secondary College
Year 12 General Psychology

Assessment Task 10
Weighting = 8%

UNIT LEARNING CONTEXT:

OUTCOMES:

Outcome 2:	<i>Investigating in psychology</i>
Outcome 4:	<i>Communication in psychology</i>

ALLOCATED TIME FOR THE TASK:

- You will have 55 minutes to complete the test in class.

INSTRUCTIONS:

- Attempt all questions
- No notes, files or electronic devices to be accessed during the test

Section 1 – Research Methods	
Question 1	/ 13
Question 2	/ 10
Total	/23
Section 2 – Developmental Psychology	
Question 1	/14
Question 2	/6
Question 3	/8
Question 4	/5
Total	/33
Section 1 and 2	
Total	/ 56

Teacher comment: _____

Section 1 – Research Methods

Question 1 (13 marks)

Zara, a Ph.D student studying psychology, was interested in the effects of intermittent dieting (diets that include fasting) on young adults' cognitive abilities, namely their mood and ability to concentrate. She placed flyers around her Perth university asking for volunteers aged between 18-35. 20 people volunteered with equal numbers of males and females. The participants agreed to follow a strict diet for one month as part of the investigation. Half of the participants were asked to follow a diet where they ate three meals a day adding up to 2000 calories. The other half were asked to replace two of their meals with a shake each day, their daily calorie intake each day did not to exceed 600 calories. At the end of the study participants were asked to complete a self-report and a memory test.

The raw data can be seen below:

Table 1: Effects of intermittent dieting on mood and memory

Experimental Group		Control Group	
Mood	Memory test	Mood	Memory test
6	25	8	45
3	28	5	42
5	32	6	31
9	26	7	24
6	24	8	28
4	13	6	14
3	17	4	54
7	37	3	39
4	45	7	58
5	13	6	25

- a) Is this study experimental or non-experimental? Justify your answer. (2 marks)

- b) Identify the control group and experimental group of this study and explain why the control group is required for experimental research. (3 marks)

c) Write an operational hypothesis for this investigation.

(4 marks)

d) Identify two extraneous variables and explain how they could impact the study. (4 marks)

Question 2**(10 marks)**

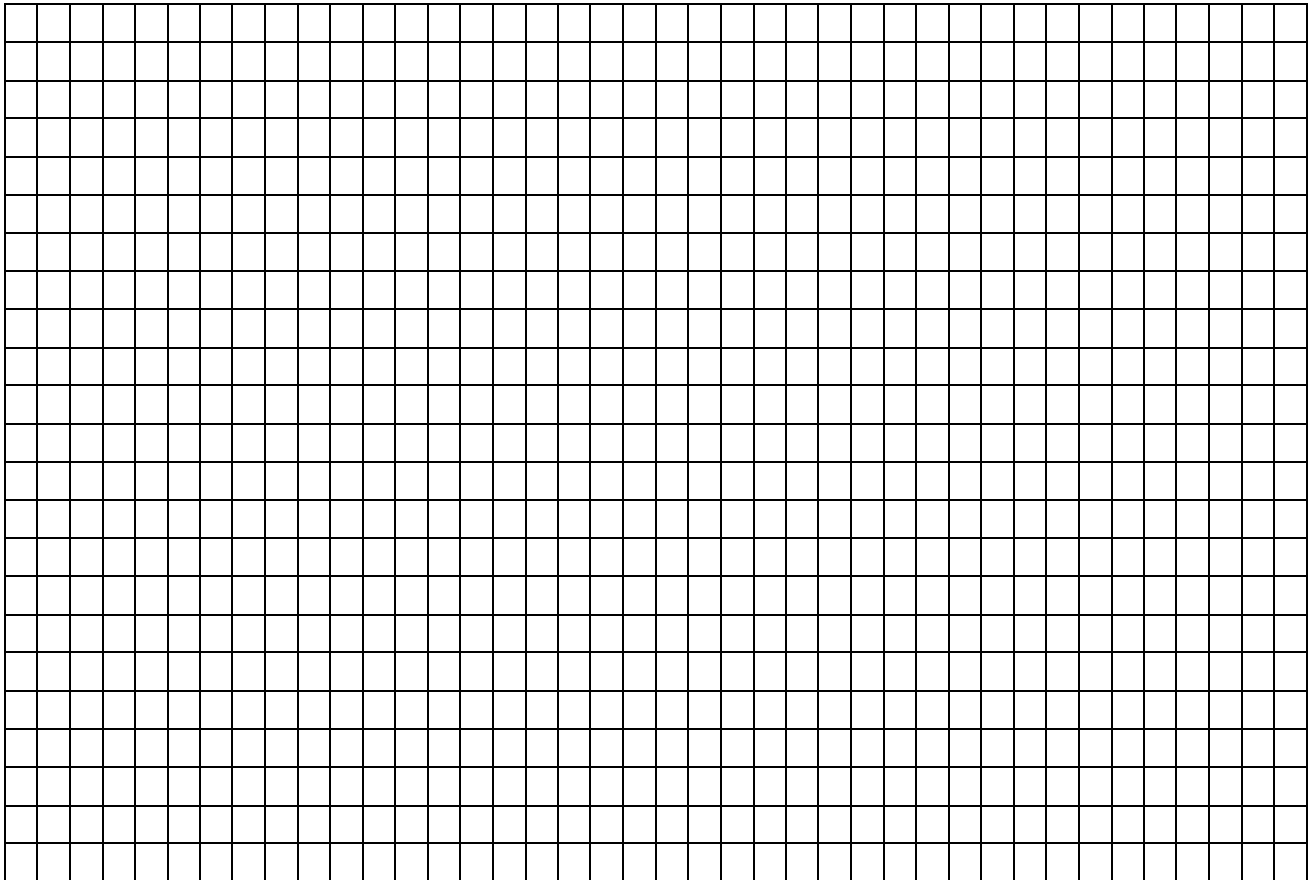
A population health specialist wanted to promote healthy living by investigating whether a person's weight impacted their ability function in society. He decided to conduct a study, asking participants to complete a survey on their weight, height and age to determine their BMI (Body Mass Index) as well as how much money they earned over the last financial year. After initially analysing the results, he decided to exclude participants who had an unhealthy low weight (under 18 BMI) as they typically earned less than those in a healthy weight range (18-25). The results can be seen in the table below:

Table 2: Relationship between BMI and money earned in 2019

Participant	BMI	Money Earned in 2019 (\$)
1	27	40, 000
2	25	245, 000
3	24	65, 000
4	22	210, 000
5	24	98, 000
6	18	125, 000
7	30	72, 000
8	35	55, 000
9	27	18, 000
10	24	125, 000
11	32	35, 000
12	18	95, 000
13	35	10, 000
14	29	65,000

- a) Identify and outline one sampling method that the researchers may have used in the above research. (2 mark)

- a) Create a graph to represent the raw data in Table 2. (5 marks)



- b) Describe the results of the study (2 marks)

Section 2 – Developmental Psychology

Question 1

(14 marks)

a) Define 'developmental psychology'

(1 mark)

b) Outline Erikson's theory of identity development.

(4 marks)

c) Stacy is 24 years old and has just moved out of her family home. She has moved in with friends and has just finished University. She is currently trying to juggle the pressures of her new career, her friends, family commitments and a new girlfriend. Stacy is struggling to make time for each group equally and it is starting to have problems with her girlfriend.

Identify the stage and describe the crisis that Erikson would say Stacy is struggling with.

(3 marks)

d) Identify the stage name and give a brief description of the crisis at each stage. (6 marks)

Stage number	Stage name	Description of crisis
1		
5		
8		

Question 2

(6 marks)

a) Identify the key features of moral reasoning for each developmental level as defined by the Kohlberg. (6 marks)

Level	Description
Preconventional	
Conventional	
Postconventional	

Question 3**(8 marks)**

a) Identify the **stage** of Moral Development the below figures could be placed upon based on the moral beliefs they demonstrated during their lives. For each answer identify both stage number and name.

- i) Mahatma Gandhi believed it was his duty to disregard unjust and oppressive laws that hindered equal rights and respect for all. (2 marks)

- ii) Confucius believed in strong family loyalty and respect for elders believing the family unit was the ideal governing body. (2 marks)

- iii) Clive Palmer believes that right and wrong is dictated by whether or not there is something in it for him or for his profit. (2 marks)

- b) Describe one criticism of Kohlberg's theory. (2 marks)

Question 4

(5 marks)

Table 3: 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

a) According to Table 3, which trait has a largest genetic component? Use information in the table to justify your answer. (2 marks)

b) Explain how twins are used in research. (3 marks)
