**PSYCHOLOGY**

**Year 11 ATAR SEMESTER ONE EXAM 2019**

**Question/Answer Booklet**

Student Number**:** In figures:

In words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Time allowed for this paper

Reading time before commencing work: Ten minutes

Working time: Three hours

Material required/recommended for this paper

To be provided by the supervisor

This Question/Answer Booklet

To be provided by the candidate

Standard items: Pens (blue/black preferred), pencils (including coloured), sharpener, correction fluid/tape, eraser, ruler, highlighters

Special Items: non-programmable calculators approved for use in this examination

Important note to candidates

No other items may be taken into the examination room. It is your responsibility to ensure that you do not have any unauthorised material. If you have any unauthorised material with you, hand it to the supervisor before reading any further.

Structure of this paper

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Section | Suggested working time | Number of questions available | Number of questions to be attempted | Marks | %weighting |
| Section One | 30 minutes | 3 | 3 | 25 | 20 |
| Section Two | 90 minutes | 6 | 6 | 60 | 55 |
| Section Three | 60 minutes | 2 | 2 | 42 | 25 |
|  |  |  | Total marks |  | 100 |

# Instructions to candidates

1. The rules for the conduct of Western Australian external examinations are detailed in the *Year 12 Information Handbook 2019.* Sitting this examination implies that you agree to abide by these rules.
2. Write your answers in this Question/Answer Booklet.
3. You must be careful to confine your responses to the specific questions asked and to follow any instructions that are specific to a particular question.

1. Supplementary pages for the use of planning/continuing your answer to a question have been provided at the end of this Question/Answer booklet. If you use these pages to continue an answer, indicate at the original answer where the answer is continued, i.e. give the page number.

Section One: Research Methods 20% (25 marks)

This section has three (3) questions. Answer all questions. Write your answers in the spaces provided.

Supplementary pages for the use of planning/continuing your answer to a question have been provided at the end of this Question/Answer booklet. If you use these pages to continue an answer, indicate at the original answer where the answer is continued, i.e. give the page number.

Suggested working time: 30 minutes

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Question 1 Total 6 marks

a) Explain the differences between the following terms: (6 marks)

1. Non experimental and Experimental

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1. Sample and Population

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1. Reliability and Validity

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Question 2 Total 9 marks

A researcher was interested in ways she could improve high school students stress levels during the school year. She measured the students’ stress levels by measuring cortisol levels in the saliva. She split the Senior school cohort into three groups. Group 1 was controlled and continued schooling as normal. Group 2 was able to have one free period a day and Group 3 was given meditation practice after lunch. The students’ stress levels were measured before the study started and again after 10 weeks of the program.

a) Name the independent variable, the dependent variable and **one (1)** controlled variable in this research study.

(3 marks)

Independent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dependent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Controlled variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Write an operational hypothesis for the above experiment. (3 marks)

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c) Identify and explain **one (1)** ethical consideration that must be followed in the above experiment.

(2 marks)

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d) Identify the method of data collection used in the study. (1 mark)

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**Question 3 Total 10 marks**

|  |  |
| --- | --- |
| Type of Physical Activity | Heart Rate (BPM) |
| Walking | 75 |
| Running | 93 |
| Cycling | 93 |
| Swimming | 82 |
| Boxing | 105 |

 **Figure 1: Heart rate after 3 minutes of different types of physical activity**

a) On the following page, draw a graph using the results above. (6 marks)

b) Calculate the following for the Heart Rate results. (4 marks)

Mean:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Median:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mode:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**End of Section One**

**Section Two: Short Answer 55% (60 Marks)**

This section has six (6) questions. Answer all questions. Write your answers in the spaces provided.

Spare pages are included at the end of this booklet. They can be used for planning your responses and/or additional space if required to continue an answer.

* Planning: If you use the spare pages for planning, indicate this clearly at the top of the page.
* Continuing an answer: If you need to use the space to continue an answer, indicate in the original answer space where the answer is continued, i.e. give the page number. Fill in the number of the question that you are continuing to answer at the top of the page.

Suggested working time: 90 minutes

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**Question 4 Total 14 marks**

a) Explain the case study of Phineas Gage. (4 marks)

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b) Complete the table below: (6 marks)

|  |  |
| --- | --- |
|  | **Effect on Body** |
| Forebrain |  |
| Alcohol |  |
| Cannabis |  |
| Parietal Lobe |  |
| Hindbrain |  |
| Amphetamine |  |

c) In the table below, name the structures of the neuron in the diagram: (4 marks)



Figure 1. *The Neuron*, (Hanover College, 2018)

|  |  |
| --- | --- |
| Structure | Name |
| 1 |  |
| 3 |  |
| 4 |  |
| 6 |  |

**Question 5 Total 6 marks**

Fill in the following table on Robinson’s social skills and how they differ in cultures.

|  |  |  |
| --- | --- | --- |
| **Social Skill** | **Culture 1** | **Culture 2** |
| Shaking Hands |  |  |
| Terms of Address |  |  |
| Politeness |  |  |

Question 6 Total 9 marks

Indi moved interstate and she was really worried about making new friends. Her mum told her not to be worried, her new neighbourhood had lots of kids her age that would all be going to the same school. She also enrolled Indi into the local dance class. Her mum reminded Indi to always be nice to the people around her and she would make friends easily.

1. Identify and explain the determinants of liking in the above scenario. (6 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Name **two (2)** prosocial behaviours. (2 marks)

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c) Explain **one (1)** of the prosocial behaviours you mentioned in part b). (2 marks)

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Question 7 Total 8 marks

a) Define the following types of attention and include an example in your answer.

1. Selective attention (2 marks)

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1. Habituation (2 marks)

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1. Divided attention (2 marks)

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b) Identify and explain **one (1)** type of illusion. (2 marks)

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Question 8 Total 15 marks

a)

1. Name the theorist who introduced Multiple intelligences. (1 mark)

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1. Define emotional intelligence. (1 mark)

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1. Define the term mental age. (1 mark)

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1. Name the theorist/s who discovered mental age. (1 mark)

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1. Xavier was transferring school after having some trouble with his old class. He was very excited to move into his new school in Year 6. Before he started he met with the Principal, so she could find out more about Xavier. The principal discovered that Xavier had a good understanding of his own abilities and could express himself very well verbally, however, she understood that Xavier had trouble making friends at his other school and picked up that he didn’t understand how to relate to others. Xavier also expressed his love for sports but was not very coordinated.
2. Name the theorist who introduced Multiple intelligences. (1 mark)

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1. Identify and explain **two (2)** of the multiple intelligences that Xavier has strengths in.

 (4 mark)

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1. Identify and explain **one (1)** of the multiple intelligences that Xavier has a weakness in.

 (2 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Fill in the table below. (4 marks)

|  |  |  |
| --- | --- | --- |
| **Intelligence Testing** | **Uses** | **Disadvantage** |
| **Group Testing** |  |  |
| **Individual Testing** |  |  |

Question 9 Total 8 marks

Connie had surgery and was taking some time to come out of the anaesthetic. When she woke up the doctors wanted to see what state of consciousness she was in before they ran some tests.

1. Explain **two (2)** tests the doctors could run and how these would show her level of consciousness.

 (4 marks)

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The doctors wanted to check her senses.

b) Identify **two (2)** stimuli the doctor could use to check **two (2)** different sense organs.

(4 marks)

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**End of Section Two**

Section Three: Extended Answer 25% (42 Marks)

This section contains two (2) questions. You must answer both questions.

Supplementary pages for the use of planning/continuing your answer to a question have been provided at the end of this Question/Answer booklet. If you use these pages to continue an answer, indicate at the original answer where the answer is continued, i.e. give the page number.

Suggested working time: 60 minutes

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Question 10 21 marks

Eddie was in an accident at his football match. His head collided with another player’s shoulder. Eddie was taken to the hospital to where the doctors performed some tests. They found some swelling in Eddie’s Frontal and Temporal lobes that could result in some symptoms, although fortunately these will be temporary. The doctor also discussed with Eddie the importance of continuing some light physical activity while he was not playing football.

* Identify and explain **two (2)** still pictures the doctor could use to examine Eddie’s brain.
* Explain the functions of the frontal and temporal lobes.
* Explain using empirical evidence the importance of continuing with physical activity.

Question 11 21 marks

After reading Dunphy’s study, a researcher wanted to see if teaching different communication skills to adolescents could help them to broaden their social groups.

* Explain Dunphy’s theory
* Explain **two (2)** non-verbal communication skills
* Explain assertive communication.

Question Number:

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**Spare working pages**

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**END OF EXAM**

**ACKNOWLEDGEMENTS**

Question 4c

Hanover College, 2018. *The Neuron*, Hanover College Psychology Department. Retrieved from <http://psych.hanover.edu/krantz/neural/struct3.html> retrieved 20 February, 2019.