**PSYCHOLOGY**

**Year 11 ATAR SEMESTER ONE EXAM 2017**

**Question/Answer Booklet**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Student Number: In figures |  |  |  |  |  |

In words

Time allowed for this paper

Reading/planning time before commencing work: ten minutes

Working time for paper: 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 materials:pens, pencils, eraser, correction fluid, ruler, highlighters

Special items: calculators satisfying the conditions set by the School Curriculum and Standards Authority for this course

Important note to candidates

No other materials may be taken into the examination room. It is your responsibility to ensure that you do not have any unauthorised notes or other material of a non-personal nature in the examination room. 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 | 2 | 2 | 25 | 20 |
| Section Two | 90 minutes | 5 | 5 | 64 | 55 |
| Section Three | 60 minutes | 2 | 2 | 41 | 25 |
|  |  |  | Total marks | 130 | 100 |

# Instructions to candidates

1. The rules for the conduct of Western Australian external examinations are detailed in the *Year 12 Information Handbook 2015.* 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. Spare pages are included at the end of this booklet. They can be used for planning your responses and/or as 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.

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Section One: Research Methods 20% (25 marks)

This section has two (2) 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: 30 minutes

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Question 1 Total 16 marks

A High school Psychology teacher discovered her Year 11 students were constantly lining up at the school café. She decided to conduct a study to see how many of her students drank coffee and if this had any effect on their ability to perform tasks during the day. She asked the students in her 3 classes and found that 40 students drank coffee every day. She then produced two groups of 25, those that drank coffee daily and those that did not. After the coffee drinkers had their morning coffee she asked all students to each complete a jigsaw puzzle and timed how long it took for them to complete it.

a) Name the experimental group, the dependent variable and **two (2)** controlled variable in this research study.

(4 marks)

Experimental Group: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

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

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c) Identify **two (2)** ways the researcher can insure confidentiality in this experiment.

(2 marks)

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d) The experimenter requested parental consent for each participant. **Explain** informed consent and suggest why the experimenter needed parental consent from each participant.

(3 marks)

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e) Identify the sample and population of the above experiment. (2 marks)

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f) The data was collected using a quantitative measure. Identify **one (1)** example of a quantitative data collection method and **one (1)** advantage of using this method.

(2 marks)

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**Question 2 Total 9 marks**

A school teacher wanted to research the relationship between the amount of sleep her students had each night and their test results.

The results were graphed below:

**Figure 1: Relationship between amount of sleep and test scores**

Amount of sleep (hrs)

Test scores (%)

a) Identify the strength and direction of the above data. (2 marks)

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

b) Does the above data show that the more sleep you receive in a night causes better test scores? Explain your response.

(2 marks)

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c) i) Identify the type of graph used in this research. (1 mark)

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ii) Identify the type of variables used in this research. (1 mark)

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d) Define reliability and give a way it can be improved (2 marks)

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e) Define validity: (1 mark)

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**End of Section One**

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

This section has five (5) questions. Answer all questions. Write your answers in the spaces provided.

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Suggested working time: 90 minutes

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**Question 3 Total 22 marks**

a) Define the term *intelligence*. (1 mark)

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b) Discuss the differences between general and specific intelligence. (2 marks)

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c) Identify the following theories/theorists, from the descriptors below:

1. The theorist responsible for emotional intelligence. (1 mark)

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1. The theorist who introduced the idea of IQ. (1 mark)

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1. A measure of a person's psychological abilities in comparison to the number of years it takes for an average child to reach the same level.

(1 mark)

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d) Complete the table below regarding multiple intelligences: (4 marks)

|  |  |
| --- | --- |
| Type of intelligence | **Explanation** |
|  | Use of written and spoken language |
| Spatial |  |
|  | Ability to understand your own thoughts and feelings |
| Logical |  |

e) Group testing is used when needing to find information quickly.

1. Identify **one (1)** disadvantage of group testing. (1 mark)

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1. Identify when individual testing would be used. (1 mark)

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1. Identify **one (1)** advantage and **one (1)** disadvantage of individual testing.

(2 marks)

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The cerebral cortex is known to be the part of the brain that helps us to think, act and behave.

f) Identify and explain the functions of the **four (4)** lobes of the brain. (8 marks)

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**Question 4 Total 12 marks**

a) Before drifting off to sleep Melinda sat up and started to write and analyse a list of all the things she needed to do the next day.

1. Identify the hemisphere of the brain she would be using to compose her list.

(1 mark)

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1. If Melinda is left handed which hemisphere of the brain would help her to move her hand to write the list.

(1 mark)

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1. Identify the part of the brain that controls heart rate, breathing rate, reflexes and sleep. (1 mark)

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b) While Melinda sleeps she always has the airconditioner on. In the middle of the night, the air conditioner makes a strange noise which wakes her up.

**List and explain** the types of attention Melinda is exhibiting. (4 marks)

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c) Once she wakes up Melinda checks her emails while watching the news.

Identify the type of attention Melinda is exhibiting. (1 mark)

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d) Sleeping is known to be an altered state of consciousness, however, having your eyes closed doesn’t necessarily mean you are asleep. Identify and explain **two (2)** physiological response measures that a doctor could use to show what state of consciousness Melinda was in.

(4 marks)

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

Question 5 Total 11 marks

1. **Define** the term “proximity” and **explain** Hall’s research into proximity in communication.

(5 marks)

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b) Body language is a form of non-verbal communication. Explain how a person’s body-language can impact communication between two people. (2 marks)

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c) Explain Robinson’s social skills on the art of the **handshake**. Include how you could use this knowledge to gauge how well you performed at a job interview (4 marks)

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Question 6 Total 9 marks

Emma is a member of your group project in school. As a group you all agreed on meeting Tuesday after school to show each other what you have done. Emma hadn’t done any of the required work yet.

a) Explain how you could approach Emma’s lack of work using assertive communication. (4 marks)

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b) As group leader, you needed to ensure all of the group members listened to each other when they presented their work.

Explain what makes an active listener. (3 marks)

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

c) Identify **two (2)** ways you could communicate if your group included a student with hearing impairment. (2 marks)

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

Question 7 Total 10 marks

a) Describe the difference between sensation and perception. (2 marks)

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b) Fill in the table below: (4 marks)

|  |  |
| --- | --- |
| **Sensory Organ** | **Stimulus** |
| **Nose** |  |
|  | **Pressure** |
| **Tongue** |  |
|  | **Light** |

1. Explain how visual illusions work and give a specific example by naming and drawing it.

(4 marks)

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

**End of Section Two**

Section Three: Extended Answer 25% (41 Marks)

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

Pages are included at the end of the two questions for planning and writing your answers.

* Planning: If you use a page for planning, indicate this clearly at the top of the page.
* Answering the question: In the pages provided indicate clearly the number of the question you are answering.
* You should refer to relevant psychological concepts, theories and research in your answer.

Suggested working time: 60 minutes

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

Question 8 15 marks

Sigmund Freud’s psychodynamic theory of personality is considered to be somewhat controversial. Using the scenario below, explain his theory on the structure of personality and how Dr. Pym will resolve the conflict. Ensure you explain the behaviour and cognitive processes which may result from the interaction of these structures.

*Dr. Pym walks into the kitchen at his office and sees a delicious looking slice of chocolate cake on the counter. He loves chocolate cake and wants to eat it but he knows that the cake does not belong to him.*

In your answer you should:

* Introduce the theory and provide a brief overview including the levels of consciousness
* Describe each of the structures of personality according to Freud and provide examples using the above scenario
* Explain using an example what happens when there is inconsistency between these structures

Question 9 26 marks

Drugs and physical activity have been found to alter a person’s brain function and mental well-being.

Discuss how physical activity and drugs can alter a person’s brain function and mental well-being. Identify and discuss **two (2)** methods for investigating brain function.

In your answer, you should:

* Define relevant terms.
* Refer to relevant **theorists** related to physical activity that support the above statement.
* Discuss how drugs can alter a person’s brain function and well-being.
* Identify and discuss **two (2)** methods for investigating brain function.

Question Number:

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**END OF EXAMINATION**