



Western Australian Certificate of Education Examination, 2012

Question/Answer Booklet

PSYCHOLOGY Stage 2

Please place your student identification label in this box

Student Number: In figures

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In words

Time allowed for this paper

Reading time before commencing work: ten minutes
Working time for paper: three hours

Materials required/recommended for this paper

To be provided by the supervisor

This Question/Answer Booklet

Number of additional
answer booklets used
(if applicable):

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To be provided by the candidate

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

Special items: non-programmable calculators approved for use in the WACE examinations

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 notes or other items 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	Number of questions available	Number of questions to be answered	Suggested working time (minutes)	Marks available	Percentage of total exam
Section One: Research methods	2	2	30	20	20
Section Two: Topic-related content	5	5	90	50	50
Section Three: Extended answer	2	2	60	40	30
Total					100

Instructions to candidates

1. The rules for the conduct of Western Australian external examinations are detailed in the *Year 12 Information Handbook 2012*. Sitting this examination implies that you agree to abide by these rules.
2. Answer the questions by writing your answers in this booklet in the spaces provided.
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.
4. 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.

Section One: Research methods**20% (20 Marks)**

This section has **two (2)** questions. Answer **both** questions. Write your answers in the spaces provided.

Spare pages are included at the end of this booklet. They can be used as additional space if required to continue 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.

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)

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

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

Question 1 (continued)

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

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)

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

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

- (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)

End of Section One

See next page

Section Two: Topic-related content**50% (50 Marks)**

This section has **five (5)** 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 as additional space if required to continue 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.

Question 3: Biological Influences**(9 marks)**

- (a) Hormones are chemical messengers that affect the functioning of the human body. List **two (2)** effects of the hormone adrenaline. (2 marks)

- (b) Give an example of a real-life situation in which the release of adrenaline would occur. (1 mark)

- (c) Complete this table: (6 marks)

Class of recreational drug	One (1) effect on behaviour	Example of this category of drug
Hallucinogen		
Depressant		
Stimulant		

Question 4: Cognition**(10 marks)**

- (a) Describe **two (2)** key ideas in Francis Galton's theory of intelligence. (2 marks)

- (b) According to Howard Gardner there are nine different types of intelligence. Name and describe any **four (4)** of these types of intelligence. (8 marks)

One: _____

Two: _____

Three: _____

Four: _____

Question 5: The Psychology of Personality**(10 marks)**

- (a) Name **two (2)** personality traits that might be used to predict success in professions or sports. Describe how each trait could contribute to success. (4 marks)

One: _____

Two: _____

- (b) Identify and describe **three (3)** factors that might motivate a person to pursue sporting or artistic endeavour at a high level. (6 marks)

One: _____

Two: _____

Three: _____

Question 6: Social Psychology**(11 marks)**

- (a) Define 'status'. (1 mark)

- (b) Compliance and conformity are similar in that they involve a change of behaviour. Describe **two (2)** ways in which compliance and conformity are different. (4 marks)

One: _____

Two: _____

- (c) Name and describe **three (3)** ways in which an individual may demonstrate social power within a group. (6 marks)

One: _____

Two: _____

Three: _____

Question 7: Social values and practices**(10 marks)**

- (a) Stereotypes are a form of social categorisation. Define 'social categorisation' and state **one (1)** way in which it may be helpful. (2 marks)

- (b) A person may be stereotyped because of their race or ethnicity. Name **two (2)** other ways in which a person could be stereotyped. (2 marks)

- (c) Citizens have a responsibility to actively engage with and contribute to their community. Give **two (2)** examples of how a young adult could do this. For each example explain **two (2)** benefits the contribution would provide to the community. (6 marks)

Example one:

Two (2) benefits to the community:

Example two:

Two (2) benefits to the community:

End of Section Two

See next page

Section Three: Extended answer**30% (40 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.

Suggested working time: 60 minutes.

Question 8**(20 marks)**

There are four stages in Piaget's theory of cognitive development. These are: the Sensori-motor stage, the Pre-operational stage, the Concrete Operational stage and the Formal Operational stage. Discuss any **two (2)** of these stages in relation to the behaviours and development that might be seen in each stage.

In your answer you should:

- identify the age of the children that the stage applies to
- describe the key features or characteristics of children's thinking about and understanding of the world at that stage
- illustrate your response with examples of behaviour that children might show at that stage.

Question 9**(20 marks)**

According to the Australian Bureau of Statistics, gambling activity in Australia increased dramatically during the 1990s. Discuss winning and losing, and the psychological impact on individuals in the community, in relation to gambling. Refer to relevant psychological evidence in your answer.

In your answer you should:

- describe the psychological impact of winning on individuals in the community
- describe the psychological impact of losing on individuals in the community
- refer to relevant psychological studies and/or theories related to winning and losing.

End of questions

Question number: _____

[illegible]

Question number: _____

[illegible]

Question number: _____

[illegible]

Question number: _____

[illegible]

Question number: _____

[illegible]

Question number: _____

[illegible]

Question number: _____

This image shows a single 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.

Additional working space

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