TRANBY COLLEGE

**Psychology (ATAR) – Unit 2**

**Task 2 | Self – Lifespan Development Psychology [2015]**

**Question/Answer Booklet**

Student Name

Group: ☐ Psyc 1 ☐ Psyc 2 ☐ Psyc 3

*Please tick your group.*

## TIME ALLOWED FOR THIS PAPER

Working time for paper: 70 minutes

## 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, pencils, eraser and ruler.

*Special Items:* Calculators satisfying the conditions set by the Schools Curriculum and Standards Authority (SCSA)–*no graphics calculators permitted.*

## *INSTRUCTIONS TO CANDIDATES*

**No other items may be taken into the assessment.**

**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** |
| Section One:  Research methods | 1 | 1 | 15 | 10 |
| Section Two:  Short answer | 5 | 5 | 30 | 25 |
| Section Three:  Extended answer | 1 | 1 | 25 | 15 |
|  |  |  | **Marks** | 50 |

**Instructions to candidates**

1. The rules for the conduct of this and the Western Australian external examinations are detailed in the *Year 12 Information Handbook 2015* and *Tranby College’s Assessment Policy.* Sitting this test implies that you agree to abide by these rules.
2. 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.
3. 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.
   1. Planning: If you use the spare pages for planning, indicate this clearly at the top of the page.
   2. 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(s) that you are continuing to answer at the top of the page.

**Section One: Research Methods (10 marks)**

This section has one (1) question. 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 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.

**Question One (10 marks)**

Doctor Waddington is a university research psychologist. His area of expertise is the development of cognitive skills in children.

He has designed a new literacy program for Grade 4 children in Western Australia. It is a 30-minute television literacy program that runs daily for four weeks. To test this program, Doctor Waddington sent a letter to all parents/guardians of Grade 4 children in Western Australia asking for volunteers. The children of the first 100 parents/guardians who replied were accepted into the study.

Prior to the experiment, each participant sat a literacy test (Literacy Test A) administered by his or her Grade 4 teacher. The teachers then sent the results to Doctor Waddington. Participants were put into 50 pairs based on gender and the similarity of their scores on the literacy test (Literacy Test A).

A computer program was used to select, by chance, one member of each pair to undertake the literacy program. These participants had to watch the literacy program on television for 30 minutes each day for one year. The other member of the pair was allowed to watch cartoons of their choice for 30 minutes per day for one year.

At the end of four weeks, the participants’ Grade 4 teachers administered a second literacy test (Literacy Test B) and sent the results to Doctor Waddington.

Results between the two groups were then compared. A test of significance was calculated and p >.05.

All ethical guidelines were strictly followed.

1. Construct an appropriate operational hypothesis for this study.

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1. Name the independent variable and the dependent variable in this study.
   1. Independent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Dependent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Identify if this study was cross-sectional or longitudinal? Justify your answer.

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1. Describe one advantage and one disadvantage of this method.

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1. The researcher set the level of significance at .05. What does a level of significance of .05 mean?

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1. Was there a statistically significant difference between the results of the two groups of participants?

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**End of Section One**

**Section Two (25 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 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.

**Question Two (6 marks)**

Theorists debate about developmental changes in two main ways.

1. Identify and explain each of these two approaches.

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1. There are many different kinds of developmental change that occur throughout the human lifespan. Generally, developmental psychologists classify changes, which take place in terms of four main domains: physical, social, cognitive and emotional. Describe **two** of these domains.

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**Question Three (5 marks)**

1. Name the stage(s) of Piaget’s theory of cognitive development that corresponds to each of the following characteristics.
   1. Egocentrism

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* 1. Conservation

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1. Ella is playing hide-and-seek with her brother Toby (aged three). Toby stands in the centre of the room and covers his eyes with his hands and says ‘I am hiding’. Explain, why Toby believes that he is ‘hiding’, referring to the relevant concept from Piaget’s theory of cognitive development.

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**Question Four (3 marks)**

1. Identify the research method used by Kohlberg to create his theory of moral development.

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1. Explain how Kohlberg used this method to develop his theory of moral development.

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**Question Five (7 marks)**

1. With evidence, explain the concept of a ‘critical period’.

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Curtiss (1977) undertook a retrospective investigation regarding the acquisition of a first language.

1. Justify **one** major conclusion about child language acquisition, which can be drawn from Curtiss’ work.

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1. Evaluate the ethics, through discussing the ‘Genie Case Study’, of a forbidden experiment.

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**Question Six (5 marks)**

1. Identify two (2) benefits of play on physical development.

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Theories have proposed that play changes cognitively and socially as the child develops.

1. Identify a researcher who postulated a cognitive theory of play development.

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1. Identify and describe the first two stages of their theory.

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**End of Section Two**

**Section Three: Extended Answer (15 marks)**

This section contains one (1) question. Pages are included at the end of the 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.

Heredity unquestionably influences intelligence, but a great deal of evidence indicates that upbringing also affects mental ability. Research with adopted children provides useful evidence about the impact of experience as well as heredity.

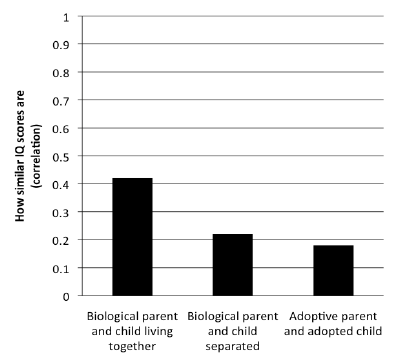


Figure 1

*The correlations of intelligence test scores between children and their adoptive and biological parent*s *(after Plotnik, 2002)*

Using evidence from the above graph and other *relevant information*, explain the role of **twin** **and** **adoption studies** in accounting for the development of intelligence in humans.

Your answer should include:

* Definitions of nature, nurture and concordance.
* Explanations of the methodologies of twin and adoption studies
* References to at least one adoption and one twin study
* Explanation of the graph

**End of Test**

**Planning Page**

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