

**Joseph Banks  
Secondary College**

**Research Methods Developmental and Personality   
Worth 5% of the school mark**

**Question/Answer Booklet**

**PSYCHOLOGY**

**Units 1 and 2**

Student name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Time allowed for this paper

## Reading time before commencing work: thee minutes

Working time for the paper: **sixty-one minutes**

# Materials required/recommended for this paper

***To be provided by the supervisor:***

This Question/Answer Booklet

Formulae and Data Booklet

***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 furthe

**Structure of this paper**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Section | Number of questions available | Suggested working time  (minutes) | Your Mark | Marks available | Percentage of test |
| Section One:  Research Methods | 2 | 20 |  | 29 | 50 |
| Section Two:  Short Answer | 3 | 41 |  | 30 | 50 |
|  |  | **Total** |  | 59 | 100 |

**Instructions to candidates**

1. The rules for the conduct of Western Australian external examinations are detailed in the *Year 11 Information Handbook 2016*. Sitting this examination implies that you agree to abide by these rules.
2. Write your answers in this Question/Answer Booklet.
3. When calculating numerical answers, show your working or reasoning clearly. Your working should be in sufficient detail to allow your answers to be checked readily and for marks to be awarded for reasoning.

In calculations, give final answers to one significant figures and include appropriate units where applicable.

1. 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.
2. Supplementary pages for the use of planning/continuing your answer to a question may 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 marks)**

**Question One (7 marks)**

Researchers wanted to investigate the ongoing health effects of working as a medical student at a busy city hospital. Participants were first year medical students chosen from a hospital close to the university where the researchers worked. They were followed throughout their medical training. Researchers met participants once a year over an eight-year period.

1. Name the study design used by researchers. Circle the correct answer below. (1 mark)

**Longitudinal / Cross-sectional**

1. State **one** advantage of using this type of study design.   (1 mark)

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1. State **one** disadvantage of using this type of study design. (1 mark)

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1. Provide ONE example of quantitative data and one example of qualitative data that psychologists could use to assess the health effects of working as a medical student. State whether each example is *objective* or *subjective.* (4 marks)

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**Question Two (19 marks)**

Ethnic identity development may increase resilience to discrimination and prejudice, which are often common and stressful for ethnic minority adolescents. Based on ethnic identity development theory and resilience theory it is expected that if an individual faces higher levels of discrimination-based stress, then ethnic identity strength would have a positive protective effect on the individual’s self-esteem. The researchers wanted to investigate this these variables in adolescents ages (15-18).

1. From the above research extract identify the aim. (1 mark)

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1. The researchers measured the above variables using a correlation.
2. Plot a graph of the above results. (5 marks)
3. Describe a finding from the above graph. (1 mark)

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The researchers then wanted to create a quasi-experiment on from the above non-experimental data.

1. Write an operationalised hypothesis for this study. (4 marks)

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1. Create and outline a potential method to test the above variables out experimentally.

(5 marks)

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1. The researchers found that the results had a p value of p < 0.05. State the conclusions that the researchers can draw from this. (3 marks)

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**Short Answer Questions– Developmental Psychology (18 marks)**

1. Piaget identified four stages in a human’s cognitive development. Name and describe the two stages below: (4 marks)

*Piaget’s first stage of cognitive development*:

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Piaget’s third stage of cognitive development*:

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dana is playing hide and seek with her brother Dion (age three). Dion stands in the centre of the room and covers his eyes with his hands and says, ‘I am hiding’.

1. Explain, why Dion believes that he is hiding, referring to the relevant concept from Piaget’s theory of cognitive development. (2 marks) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Outline two skills that children develop as part of their social and emotional development. (2 marks)

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Table 2: 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 |

1. Define the term concordance. (1 mark)

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

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1. Explain why twin studies and adoption studies are useful for the Nature vs Nurture debate. (4 marks)

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