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**PSYCHOLOGY**

**UNIT 1**

**Question/Answer Booklet**

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

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 (blue/black preferred), pencils (including coloured), sharpener, eraser, correction fluid/tape, ruler, and highlighters

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

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 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 attempted | Suggested working time  (minutes) | Marks | Percentage of exam |
| Section One:  Research methods | 3 | 3 | 30 | 33 | 20 |
| Section Two:  Short answer | 6 | 6 | 90 | 61 | 55 |
| Section Three:  Extended answer | 2 | 2 | 60 | 49 | 25 |
|  |  |  | Total | 139 | 100 |

# Instructions to candidates

1. The rules for the conduct of Western Australian external examinations are detailed in the *Year 12 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. 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.

Section One: Research Methods 20% (33 marks)

This section has three (3) 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.

Suggested working time: 30 minutes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Question 1

(16 marks)

Dr. Scali was interested in the health effects of working as a CEO (Chief Executive Officer) in Western Australia. He decided to interview a group of CEO’s from a range of business areas and follow up with them over a five-year period. His results are demonstrated in the table below:

Average Results of Health Descriptors of CEO’s over a Five-Year Period

|  |  |  |
| --- | --- | --- |
|  | Males 2016 | Females 2016 |
| Weight Gain (%) | 12% | 18% |
| Hair Loss (%) | 30% | 2% |
| Increased Stress  Level (%) | 45% | 63% |
| Increased  Cholesterol (%) | 15% | 5% |
| Increase Insulin  Level (%) | 10% | 4% |

1. Identify the study design used with this investigation.

(1 mark)

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1. Identify one advantage and one disadvantage of using this design.

(2 marks)

Advantage:

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Disadvantage:

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1. Dr.Scali collected subjective and objective data, as well as qualitative and quantitative data. Using the table on the previous page outline one example of each type of data.

(4 marks)

Subjective:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Objective: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Qualitative: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quantitative: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

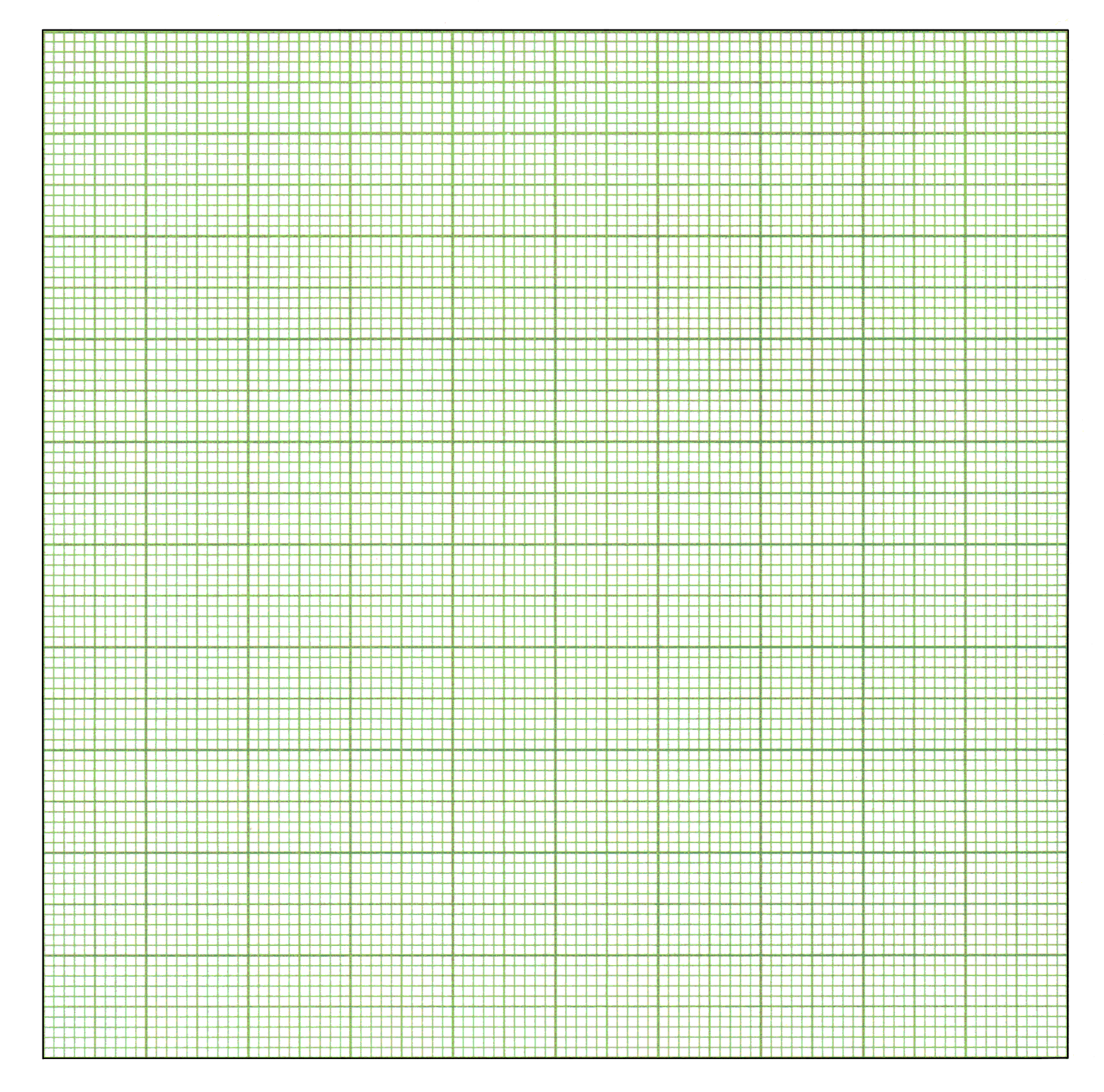
1. In displaying this data what sort of graph should be used and why?

(2 marks)

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

1. Graph the results below.

(7 marks)



Question 2

**(13 marks)**

The coach at a local under 18’s soccer team is concerned over the number of players that are missing games due to illness. He decides to investigate whether vitamins would decrease the amount of colds his team is experiencing.

a) Create an operational hypothesis the coach could use.

(4 marks)

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

b) Identify the independent variable and dependent variable.

(2 marks)

Independent Variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Dependent Variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Identify **two** variables he can control.

(2 marks)

i. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Identify **two** variables that he cannot control.

(2 marks)

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) Name and explain one ethical consideration the coach needs to follow and include how he can achieve this.

(3 marks)

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Question 3

**(4 marks)**

a) What four things need to be included in an operational hypothesis?

(4 marks)

i. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iv.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**End of Section One**

**Section Two: Short Answer 55% (61 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 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.

Suggested working time: 90 minutes

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

Question 4

**(12 marks)**

a) Phineas Gage was a construction worker involved in a workplace accident.

i. Identify whether his forebrain, midbrain or hindbrain was damaged in this accident.

(1 mark)

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

ii. Provide two reasons that led you to this conclusion.

(2 marks)

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b) List two structures found in the hindbrain.

(2 marks)

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Michael went for a bike ride with his friends. He tried to jump the curb on the side of the road, but instead hit the curb and came over his handlebars hitting his head as he fell. When he tried to get back onto his bike he lost his balance and fell again.

i. Name the part of the brain that he damaged.

(1 mark)

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

ii. What is this part responsible for?

(1 mark)

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

d) What does an Electroencephalography (EEG) measure?

(1 mark)

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e) List whether the following drugs are stimulants or depressants.

(2 marks)

i. Alcohol\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii. Amphetamine\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) In regards to physiological changes, list one similarity and one difference between alcohol and amphetamine use.

(2 marks)

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Question 5 (12 marks)

a) Explain the Two Factor’s of Spearman’s intelligence theory.

(2 marks)

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b) Name the theorist who developed the first intelligence test.

(1 mark)

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c) Explain the reason why this intelligence test was created.

(1 mark)

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d) Using Binet’s intelligence test Melanie received a mental age of 8 and a chronological age of 10.

i. What is Melanie’s IQ?

(1 mark)

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

ii. According to Binet what does this suggest about Melanie’s intelligence?

(1 mark)

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e) List the five constructs of Emotional intelligence according to Goleman.

(5 marks)

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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iv.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

v.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) Explain one of Goleman’s five emotional constructs.

(1 mark)

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Question 6 (7 marks)

a) List one advantage and one disadvantage of individualised intelligence testing.

(2 marks)

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b) Tamara was pulling a fish face in front of her five-month-old baby. Her baby laughed hysterically for the first five times, then didn’t react. Tamara decided to pull a cheesy grin instead, which provoked the laughing reaction from her baby that she was after. Using psychological understandings explain the babies’ reaction to the face pulling.

(2 marks)

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

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c) Explain why visual illusions occur.

(1 mark)

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

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d) Outline one psychological factor that can lead to a person experiencing a visual illusion.

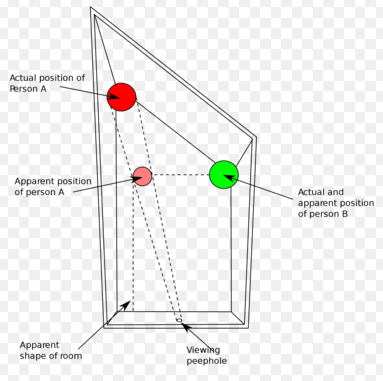
(1 mark)

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e) In reference to the diagram below explain why the Ames room is considered an illusion.

(1 mark)



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Question 7 (6 marks)

a) In regards to a person’s state of consciousness what would the following brain wave patterns suggest about person A and person B’s state of consciousness?

(2 marks)

i. Person A: ../../../../../Screen%20Shot%202015-12-15%20at%205.31.32%20PM.pn

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ii. Person B: 

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b) What is the difference between frequency and amplitude?

(2 marks)

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c) Correctly draw and label a brain wave of a person experiencing theta waves, highlighting where an example of frequency and amplitude can be seen.

(2 marks)

Question 8

**(11 marks)**

a) Define anti-social behaviour.

(1 mark)

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b) Jesse was driving home from work in peak hour traffic along the freeway. He spotted a motorist on the side of the road looking confused at the smoke coming out of the bonnet of his car. Jesse continued to drive and later questioned why he didn’t stop.

Using your knowledge of anti-social behaviour explain with reference to psychological theory why Jesse didn’t stop.

(2 marks)

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c) Explain using an example how a persons competence influences their likelihood of helping in a given situation.

(2 marks)

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d) Outline the research methodology Dexter Dunphy used to study the changing structure of adolescent groups.

(1 mark)

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e) Dunphy suggested in the 1960’s that peer groups could be described in three levels and five stages. List all three levels and explain one.

(4 marks)

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f) Explain what happens in the fourth stage of Dunphy’s research.

(1 mark)

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Question 9

**(13 marks)**

a) Using an example suggest how a scent can provide communication between two people.

(2 marks)

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b) As the manager of a small business Karl was asked to conduct a performance review on a staff member that had the reputation of being lazy. During Karl’s interview he noticed the employee folded his arms and stared out the window. Using your knowledge of body language what two things might Karl assume from this interview?

(2 marks)

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c) Before conducting the interview Karl made sure the chairs they would both be sitting in were approximately one metre apart. Why would Karl aim to sit one metre apart and not any closer or further away from the employee?

(2 marks)

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d) Define assertive communication.

(1 mark)

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e) List two barriers to effective communication.

(2 marks)

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f) Explain using **two** examples whether body language and facial expressions are universal.

(2 marks)

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g) Mitchel’s 18 month old baby recently stopped making gurgling noises and stopped responding to noises made around him. Mitchel was questioning taking his son to the doctor as he was worried his son might have a hearing impairment. If he were to ask how a hearing impairment might affect his son, what are two things the doctor might say?

(2 marks)

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**End of Section Two**

Section Three: Extended Answer 25% (49 Marks)

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

Pages are included at the end of the Question 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 10 (30 marks)**

Compare and contrast Wechsler’s empirical approach to intelligence with Gardner’s theory on multiple intelligences.

In your response:

* Define intelligence and identify at least one other theory and theorist which seeks to explore how intelligence can be measured
* Explain according to Wechsler and Gardner how intelligence develops, including how it can be measured
* Identify the strengths and limitations of each theory.

**Question 11 (19 marks)**

In todays society the use of social media has become commonplace for people to use when trying to find a partner. Using the determinants of liking, suggest whether dating apps are successful in helping people find a partner.

In your response:

* Define interpersonal attraction
* Name, explain and relate each of the three determinants of liking to the use of dating apps.
* Support your argument using empirical evidence.

**End of questions**

**Question number: \_\_\_\_\_\_\_\_\_\_\_**

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Additional working space

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**Section Two**

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Retrieved Feburary, 2016, from https://en.wikipedia.org/wiki/Ames\_room