

11 PSYCHOLOGY 2015

TEST ONE

Name: _____

Teacher: _____

Mark: _____ /50

Percentage: _____ %

Section One: Research methods

(19 marks)

Question 1

A psychologist was interested in studying the characteristics of young people who do volunteer work.

State **two** non-experimental research methods that the psychologist could use. (2 marks)

Question 2

The factor being manipulated in an experiment is called the: (1 mark)

Question 3

Contrast experimental research and non-experimental research. (2 marks)

Question 4

Contrast scientific research and non-scientific research . (2 marks)

Question 5

Identify the independent and dependent variable in each hypothesis.

- (a) The relationship between exposure to television from ages 0-4 years and the level of social interaction the child had in primary school. (2 marks)

Independent variable: _____

Dependent variable: _____

- (b) The relationship between the frequency of symptoms of post-traumatic stress disorder and a sufferer's level of resilience. (2 marks)

Independent variable: _____

Dependent variable: _____

- (c) A study investigating the relationship between the level of daily vitamin C intake and the incidence of breast cancer in women. (2 marks)

Independent variable: _____

Dependent variable: _____

- (d) The relationship between the frequency of headaches experienced and the volume of music listened to in the car. (2 marks)

Independent variable: _____

Dependent variable: _____

Question 6

Dr Anderson wanted to investigate the effects of caffeine on concentration.

- (i) Which of the following would be the best population for this study? (1 mark)

- (a) All students under the age of 25.
- (b) All adults between the ages of 18 and 50 years who consume caffeine on a regular basis.
- (c) All children living in Melbourne.
- (d) Everyone living in Australia.

- (ii) Which of the following would be the best sample for the study describe above? (1 mark)

- (a) Forty female students attending the local high school.
- (b) Five university students sitting on the tram.
- (c) 100 adults who consume caffeine on a regular basis.
- (d) Twenty-five children who have trouble concentrating.

Question 7

- (a) Provide a psychological definition of 'subject'. (2 marks)

Section Two: Short answer

(20 marks)

Question 8

A third-year psychology student surveyed 100 of her fellow students on the topic of what attracts them to others. When she completed her study, she posted the student's names and responses on the notice board in the cafeteria.

Name an ethical principle that was breached in the above scenario and **explain** how this principle was breached. (3 marks)

Question 9

Explain one beneficial result of unethical studies (such as Milgram's obedience studies) from the past in relation to ethical guidelines today. (2 marks)

Question 10

Provide a psychological definition of 'ethics'. (2 marks)

Question 11

Are these statements true (T) or false (F)?

(6 marks)

- a) Psychology investigates mind reading. _____
- b) Psychology investigates human emotion. _____
- c) Psychology investigates our behaviour. _____
- d) Psychology investigates how we make sense of our world. _____
- e) Psychology is just common sense. _____
- f) Psychology investigates our thoughts. _____

Question 12

Are these statements true (T) or false (F)?

(6 marks)

- a) Psychiatrists can prescribe drugs. _____
- b) Psychologists can conduct scientific research. _____
- c) Psychologists do not have university degrees. _____
- d) Psychiatrists help to treat mental-health problems. _____
- e) Psychiatrists must have a medical degree. _____
- f) Psychologists help to treat mental-health problems. _____

Question 13

Psychologists must keep all of a patient's personal information and records private.

(1 mark)

This is known as _____

(11 marks)

Pages are included at the end of the question for planning and writing your answer.

- Suggested working time: 20 minutes.

A university lecturer has been asked to conduct research investigating how mild pain affects memory formation. She decides to use students from her tutorial class. She separates the students into two groups. She shows students in Group A a list of 20 words and then gives them two minutes to recall as many of the words as possible. She shows students in Group B the same list of 20 words, administers a mild electric shock to them, then gives them two minutes to recall as many of the words as possible.

- ♦ **State** one major issue than an ethics committee may have with this research and **explain** why this is an areas of concern.
- ♦ **Explain** how *you* would address each of the four main ethical guidelines if you were to conduct this research.

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