



Joseph Banks Secondary College

**Cognition: Learning and behaviour
modification project validation**
Worth 3% of the School Mark

Question/Answer Booklet

PSYCHOLOGY

Units 3 and 4

Student name : _____

Project score:

Time allowed for this paper

Reading time before commencing work:

two minutes

Working time for the paper:

thirty 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 further.

1) Define the term extinction.

(1 mark)

2) Four months ago, Hugh was in a petrol station while it was being robbed. The thieves shot Hugh accidentally whilst trying to intimidate the cashier, luckily, he spent two weeks in hospital and survived. Recently, Hugh experienced an adverse physical response to the sound of an engine backfiring, including sweating, heart palpitations and panic. This reaction starts to occur every time that Hugh hears loud, sudden mechanical sounding noises, causing him to flinch and panic.

a) Referring to the scenario, briefly outline and explain what type of learning has occurred and identify the variables of this type of learning present in the scenario.

(9 marks)

Hugh goes to see a Psychologist regarding the reactions he keeps having at the sound of loud noises. He also now has developed an irrational fear of leaving his house. He believes a traumatic event could happen at any time and the outside world is only full of negative experiences that could harm him and others. He feels anxious and stressed at the thought of leaving his house and avoids doing so when necessary, choosing to work from home online, avoids seeing his friends and chooses to “click and collect” for his groceries.

b) Using cognitive behavioural therapy, briefly outline and explain the process and steps involved in helping Hugh to overcome this fear.

(13 marks)

c) Compare token economy and systematic desensitisation as behaviour modification strategies. (4 marks)

Similarities	Differences

3) The famous Bobo doll experiment demonstrated how observational learning occurred in children.

a) Discuss one practical application of these findings to either business or media outlets. (2 marks)

- b) The experiment was thought to be unethical for a number of reasons, without reference to ethics. Using psychological terminology evaluate the Bobo Doll experiment. (4 marks)
