



Trial Examination 2022

Question and Response Booklet

QCE Psychology Units 3&4

Paper 2

Student's Name: _____

Teacher's Name: _____

Time allowed

- Perusal time – 10 minutes
- Working time – 90 minutes

General instructions

- Answer all questions in this question and response booklet.
- Write using black or blue pen.
- Respond in paragraphs consisting of full sentences.
- Planning paper will not be marked.

Section 1 (40 marks)

- 6 short response questions

Students are advised that this is a trial examination only and cannot in any way guarantee the content or the format of the 2022 QCE Psychology Units 3&4 Written Examination.

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SECTION 1

Instructions

- If you need more space for a response, use the additional pages at the back of this booklet.
 - On the additional pages, write the question number you are responding to.
 - Cancel any incorrect response by ruling a single diagonal line through your work.
 - Write the page number of your alternative/additional response, i.e. See page ...
 - If you do not do this, your original response will be marked.
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DO NOT WRITE ON THIS PAGE
THIS PAGE WILL NOT BE MARKED

QUESTION 1 (10 marks)

This question refers to the investigation conducted by Skinner (1948).

- a) Distinguish between negative reinforcement and positive reinforcement. Support your response with one example of each, relevant to the investigation. *[3 marks]*

- b) Differentiate between extinction and spontaneous recovery. *[1 mark]*

- c) In an experiment based on Skinner’s work, pigeons were conditioned to peck at a switch on the wall of a box that was lit by a green light. It was observed that the pigeons also pecked at the switch when a yellow light replaced the green light.
Explain whether stimulus discrimination or stimulus generalisation occurred in this scenario and identify the type of conditioning involved. *[3 marks]*

- d) Compare Skinner’s experiment to the experiment conducted by Watson and Rayner (1920). *[3 marks]*

QUESTION 2 (5 marks)

This question refers to the study by Asch (1951).

- a) Identify how conformity could be used to explain the behaviour of the participants in the study. *[1 mark]*

- b) Identify one factor that would have increased the conformity of the participants in the study. Give a reason for your judgment. *[2 marks]*

- c) In the research conducted by Asch, confederates were used. Describe what a confederate is and explain why Asch used confederates in his research. *[2 marks]*

QUESTION 3 (5 marks)

This question refers to the experiment conducted by Grant et al (1998).

- a) Describe context dependent learning and how it explains the results obtained in the experiment. *[2 marks]*

- b) Identify a limitation that affected the validity of the experiment. *[1 mark]*

- c) Propose how this experiment could be relevant to elite athletes training for the 100 m sprint at the Olympic Games. *[2 marks]*

QUESTION 4 (6 marks)

This question refers to the study by Milgram (1963).

- a) Describe obedience. Support your response with an example relevant to the study. *[2 marks]*

- b) Identify a factor that decreased the obedience of participants in the study. Use an example from the study to support your response. *[2 marks]*

- c) Explain why participants displayed signs of severe stress and emotional strain during the study. *[2 marks]*

QUESTION 5 (8 marks)

This question refers to the experiment conducted by Festinger (1957).

- a) Distinguish between an attitude and a behaviour. Support your response with one example of each, relevant to the experiment. *[3 marks]*

- b) Explain cognitive dissonance. Support your response with one example relevant to the experiment. *[2 marks]*

- c) Describe three ways that cognitive dissonance can be alleviated. *[3 marks]*

QUESTION 6 (6 marks)

This question refers to the investigation conducted by Tajfel (1970).

The experiment consisted of two trials. In the first trial, participants were placed into groups randomly. In the second trial, groups were determined by the participants’ aesthetic preference for a series of paintings. In both trials, participants were asked to share their money among all the participants. The table shows the raw results of both trials (the amount of money distributed to participants in the same group (in group) and to participants not in the same group (out group)).

Participant	Trial 1		Trial 2	
	In group (\$)	Out group (\$)	In group (\$)	Out group (\$)
1	30	10	27	13
2	31	9	26	14
3	33	7	28	12
4	28	12	31	9
5	26	14	32	8
6	27	13	27	13
7	26	14	30	10
8	31	9	31	9
9	30	10	34	6
10	28	12	25	14
11	27	11	26	14

Source: Based on data from Tajfel, H (1970) *Experiments in Intergroup Discrimination*, Oxford University Press.

- a) Calculate the median for the trial 1 in group. Show your working. [2 marks]

- b) Determine the mode of the trial 2 out group. Show your working. [2 marks]

- c) To determine whether there was a statistical difference between the trial 1 in group and the trial 2 in group, researchers conducted a two-sample t-test (unpaired). The result was $p = 0.06$.

Draw a conclusion about the result of the statistical test shows.

[2 marks]

END OF PAPER

REFERENCES

Question 1

Skinner, B. F. (1948) ‘“Superstition” in the pigeon’, *Journal of Experimental Psychology*, vol. 38, pp. 168–172.

Watson, J. B. and Rayner, R. (1920) ‘Conditioned emotional reactions’, *Journal of Experimental Psychology*, vol. 3, no. 1, pp. 1–14.

Question 2

Asch, S. E. (1951) ‘Effects of group pressure upon the modification and distortion of judgement’, in H. Guetzkow (ed) *Groups, Leadership and Men*, Carnegie Press, Pittsburgh.

Question 3

Grant, H. M., Bredahl, L. C., Clay, J., Ferrie, J., Groves, J. E., McDorman, T. A. and Dark, V. J. (1998) ‘Context dependent memory for meaningful material: Information for students’, *Applied Cognitive Psychology*, vol. 12, pp. 617–623.

Question 4

Milgram, S. (1963) ‘Behavioural study of obedience’, *Journal of Abnormal and Social Psychology*, vol. 67, pp. 371–378.

Question 5

Festinger, L. (1957) *A Theory of Cognitive Dissonance*, Stanford University Press, Stanford, CA.

Question 6

Tajfel, H. (1970) *Experiments in Intergroup Discrimination*, Oxford University Press, Oxford.