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School code

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School name

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Given name/s

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Family name

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Attach your
barcode ID label here

Book

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of

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books used

External assessment 2021

Question and response book

Psychology

Paper 1

Time allowed

- Perusal time — 10 minutes
- Working time — 90 minutes

General instructions

- Answer all questions in this question and response book.
- QCAA-approved calculator permitted.
- Planning paper will not be marked.

Section 1 (25 marks)

- 25 multiple choice questions

Section 2 (29 marks)

- 13 short response questions





DO NOT WRITE ON THIS PAGE

THIS PAGE WILL NOT BE MARKED



Section 1

Instructions

- Choose the best answer for Questions 1–25.
- This section has 25 questions and is worth 25 marks.
- Use a 2B pencil to fill in the A, B, C or D answer bubble completely.
- If you change your mind or make a mistake, use an eraser to remove your response and fill in the new answer bubble completely.

	A	B	C	D
Example:	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	A	B	C	D
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
24.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do not write outside this box.

Section 2

Instructions

- Write using black or blue pen.
 - If you need more space for a response, use the additional pages at the back of this book.
 - 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.
 - This section has 13 questions and is worth 29 marks.
-

QUESTION 26 (2 marks)

Identify the role of the spinal cord in the human nervous system and describe a spinal reflex.

Do not write outside this box.

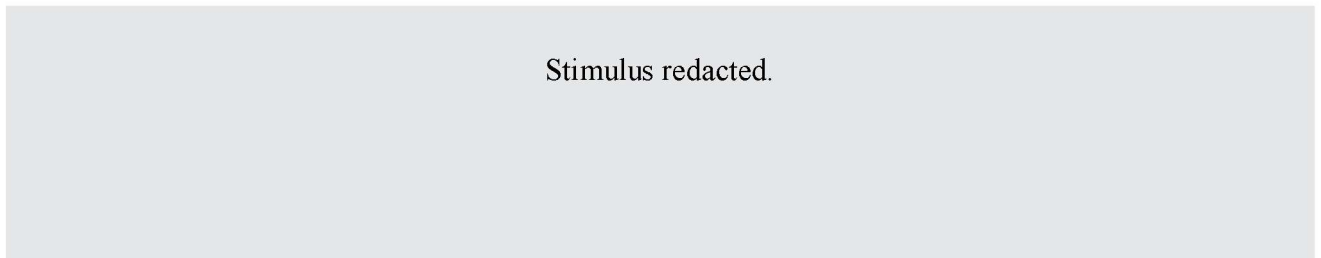
QUESTION 27 (1 mark)

Distinguish between modelling and vicarious conditioning.

QUESTION 28 (2 marks)

Toch and Schulte (1961) conducted a study in which participants viewed one set of pictures that could be perceived as violent and another set that could be perceived as neutral.

The methodology involved two groups of participants viewing 18 pictures in total. They were then asked to recall as many pictures as possible. Some of the results are shown.



Identify a psychological influence on visual perception and explain how it may have led to these results.

Do not write outside this box.

QUESTION 29 (1 mark)

Describe why assimilation is a psychological challenge of immigration.

QUESTION 30 (2 marks)

Identify two areas of the brain responsible for emotion.

1: _____

2: _____

Do not write outside this box.

QUESTION 31 (2 marks)

Serafine, Crowder and Repp (1984) investigated how memories are stored by employing an incidental learning task.

Participants were asked to listen to several songs and decide if they were familiar with each song or not. Half of the participants (Group 1) heard familiar folk songs. The other half (Group 2) heard the same familiar songs with new, unfamiliar lyrics.

Results showed that participants in Group 1 had a much higher chance of identifying the songs as being familiar. This suggests that memories are stored as associations, e.g. lyrics and tune.

Describe forgetting due to interference effects, with reference to the experiment.

QUESTION 32 (1 mark)

State the biological influence that causes colour blindness.

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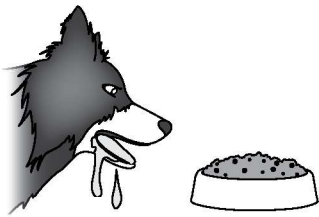
QUESTION 33 (3 marks)

Explain transduction as a process of early visual perception.

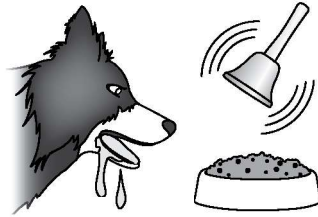
Do not write outside this box.

QUESTION 34 (2 marks)

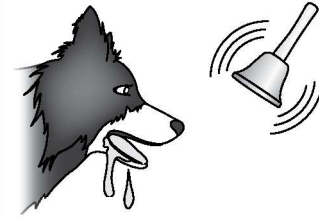
The image shows an example of classical conditioning.



Stage 1
Dog sees food and salivates.



Stage 2
Dog sees food and hears bell,
and salivates.



Stage 3
Dog hears bell and salivates.

State what is meant by the conditioned stimulus (CS), and identify the CS in the image.

Do not write outside this box.

QUESTION 35 (4 marks)

In an experiment by Sperling (1960) participants were shown a chart similar to the one below for 50 milliseconds and asked to recall as many letters as possible. The results showed that participants were able to recall between five and six letters. Participants reported that they were aware of more but were unable to state them before they were forgotten.

Stimulus redacted.

See References: Sperling G, 'The information available in brief visual presentations'

Describe the duration and capacity of visual sensory memory. Support your response with reference to the results of the experiment.

Do not write outside this box.

QUESTION 36 (2 marks)

Identify one strength and one limitation of social identity theory.

Do not write outside this box.

QUESTION 37 (3 marks)

Compare the functions of dopamine and serotonin.

Do not write outside this box.

QUESTION 38 (4 marks)

Provide an argument for and against using elaborative rehearsal as a strategy to improve memory. Support your response with an example for each argument.

END OF PAPER

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ADDITIONAL PAGE FOR STUDENT RESPONSES

Write the question number you are responding to.

Do not write outside this box.

ADDITIONAL PAGE FOR STUDENT RESPONSES

Write the question number you are responding to.

Do not write outside this box.

References

Adapted from CNX OpenStax 2016, 'Figure 36 05 02', CC BY 4.0.

Adapted from *File:Figure 45 07 07.jpg* - Wikimedia Commons 2016, Wikimedia.org, available at: https://commons.wikimedia.org/wiki/File:Figure_45_07_07.jpg. Licensed under the Creative Commons Attribution 4.0 International license.

Serafine ML, Crowder RG & Repp BH 1984, 'Integration of melody and text in memory for songs', *Cognition*, vol. 16, no. 3, pp. 285–303.

Sperling G 1960, 'The information available in brief visual presentations', *Psychological Monographs: General and Applied*, vol. 74, no. 11, pp. 1–29.

Toch HH & Schulte R 1961, 'Readiness to perceive violence as a result of police training', *British Journal of Psychology*, vol. 52, no. 4, pp. 389–393.



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