



Trial Examination 2021

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**Suggested solutions**

# **QCE Psychology Units 3&4**

Paper 2

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## SECTION 1

### QUESTION 1 (7 marks)

- a) punishment [1 mark]  
An undesirable stimulus in the form of an electric shock was supposedly applied to the learner (the fake participant receiving the electric shock) in order to reduce their rate of errors on the memory task. [1 mark]
- b) The physical presence of an authority figure resulted in the participants performing actions contrary to their morals and beliefs. [1 mark]  
This is evidenced by the majority of participants delivering what would have been a fatal electrical shock to the learners that participated in the experiment. [1 mark]
- c) The central executive would have regulated the attention of the participants in terms of deciding whether to deliver the shock for an incorrect response. [1 mark]  
The visuospatial sketchpad would form a visual representation of the shock generator so that the participants were able to visualise the location of the next shock switch as learners answer incorrectly. [1 mark]  
The phonological loop would have enabled the participants to acoustically rehearse the protests from the learners as well as the instructions from the experimenter. [1 mark]

### QUESTION 2 (8 marks)

- a) An explicit attitude is expressed openly, publicly and in a way that supports the individual's attitude. [1 mark]  
For example, an individual may express to their peers that they are looking for a partner with blonde hair and thus they gravitate towards people with blonde hair at a party. [1 mark]  
An implicit attitude occurs at an unconscious level and guides an individual's behaviour even though they lack awareness of their thought processes. [1 mark]  
For example, an individual may gravitate towards people who wear glasses, because they may unconsciously associate them with intelligence and success. [1 mark]
- b) Physical attractiveness may be an indicator of reproductive fitness by signaling to a partner the quality of an individual's genes. [1 mark]  
These qualities could include their health, strength or fertility. [1 mark]
- c) *For example:*  
A young single adult may demonstrate an unfavourable attitude towards tall people [1 mark]  
because they may have formed an opinion that tall people are arrogant about their height in comparison to people of average height. [1 mark]

**QUESTION 3 (8 marks)**

- a) The group of children who observed the adult model being punished for striking the Bobo doll would be less likely to mimic the adult's aggressive behaviour (in comparison to the group of children who observed the adult receiving no consequence). *[1 mark]*
- The group of children who observed the adult model being positively reinforced were more likely to mimic the adult's aggressive behaviour (in comparison to the group of children who observed the adult receiving no consequence). *[1 mark]*
- b) The motor cortex would play a key role in initiating the adult's arm and hand movements. *[1 mark]*
- The basal ganglia would play a key role in the motor control of the adult's grip of the toy hammer, ensuring that it is correctly angled when it hits the target. *[1 mark]*
- c) Female children would be more likely to mimic the aggressive behaviour of female adult models and male children would be more likely to mimic the aggressive behaviour of male adult models. *[1 mark]*
- This demonstrates that aggression is learned largely through gender socialisation rather than through the biological differences between the sexes. *[1 mark]*
- d) Through social learning theory, the children learned that aggressive behaviour is inappropriate because they have indirectly observed the adult models being punished for their aggressive actions towards the Bobo doll. *[1 mark]*

**QUESTION 4 (6 marks)**

- a) The audience members have placed too much emphasis on dispositional factors, such as their perception that the game show host knew more than the contestants because of their awareness of the content of the questions. *[1 mark]*
- They have not placed enough emphasis on situational factors, such as the host writing their own questions, meaning they already knew the answers, as opposed to the contestants who had not shared the same experiences as the host. *[1 mark]*
- b) The audience members may have formed an unfavourable attitude towards either younger or older contestants. *[1 mark]*
- They may have believed that younger contestants lacked general knowledge due to their limited life experience or that older contestants were 'too slow' to be able to grasp the questions that they have been asked. *[1 mark]*
- c) semantic memory *[1 mark]*
- The host would be using semantic memory, as this is the type of memory used to store facts or general knowledge, which would be used as the subject matter of the game show. *[1 mark]*

**QUESTION 5 (6 marks)**

- a) The culture of the African children and adults has acted as a social or external factor that has influenced the way they interpret the perspective drawings. *[1 mark]*  
This is due to a lack of exposure to pictorial representations of three-dimensional beings. *[1 mark]*
- b) Cultural perspective evaluates an individual's behaviour by considering the culture they are from, in this case looking at their interactions with pictorial representations of three-dimensional images. *[1 mark]*  
European children and adults had been exposed to pictorial representations of three-dimensional beings in books and art, whereas the African children and adults generally had not. The learning of the application of depth cues had influenced the interpretation of the split-view and perspective drawings. *[1 mark]*
- c) The two types of drawings would form different images on the retina. *[1 mark]*  
The European viewers had learned during their childhood that faces and animals still maintain the same physical properties regardless of the different ways in which they were viewed due to their predisposition to maintain perceptual constancies. *[1 mark]*

**QUESTION 6 (5 marks)**

- a) There is a strong negative correlation between the age of the applicants and their scored rating of suitability for the position. *[1 mark]*  
For the sample tested, the older the applicant the more likely that they will receive a low rating from the recruiting panel. *[1 mark]*
- b) There is still a negative prejudice directed toward older female applicants as reflected by the  $-0.52$  Pearson correlation coefficient. *[1 mark]*  
There is a much higher negative prejudice towards male applicants as reflected by the  $-0.90$  Pearson correlation coefficient. *[1 mark]*
- c) The presence of outliers may have significantly impacted the results and the strength of the Pearson correlation coefficient, as demonstrated by the 65-year-old female applicant who was given a rating of 8. *[1 mark]*