

**ADVANCED SUBSIDIARY GCE UNIT  
PSYCHOLOGY**

**2540**

**Core Studies 1**

**TUESDAY 22 MAY 2007**

Afternoon

Time: 1 hour

**Each candidate must be given:**

1. one copy of this question paper;
2. one 8-page answer book.

**Additional materials:** 4-page answer books may be issued to candidates who require continuation paper.



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**INSTRUCTIONS TO CANDIDATES**

- Write your name, Centre number and candidate number in the spaces provided on the answer book.
- You must answer **all 20** questions on this paper.
- Read each question carefully and make sure you know what you have to do before starting your answer.

**INFORMATION FOR CANDIDATES**

- The total number of marks for this paper is **60**.
- The number of marks is given in brackets [ ] at the end of each question or part question.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.

This document consists of 4 printed pages.

**Answer all questions.****Cognitive Psychology**

- 1 From the study by Loftus and Palmer on eyewitness testimony:
- (a) Identify **two** of the verbs used to describe the car accident seen in the films. [2]
  - (b) Outline **one** explanation for the different speed estimates given by the participants. [2]
- 2 In his review on the perception of pictures Derogowski suggests that pictures do not offer a universal language for people of different cultures. Describe **one** finding from the review which would support this claim. [2]
- 3 In the study by Gardner and Gardner, Washoe used several combinations of words. Identify **two** of these combinations. [2]
- 4 Baron-Cohen, Leslie and Frith used three control questions in their study on autism. Outline **two** reasons why these control questions were used. [4]

**Developmental Psychology**

- 5 Suggest **one** ethical issue raised in the study by Freud on little Hans. [2]
- 6 From the study by Samuel and Bryant identify **two** factors that were found to affect the children's ability to conserve. [2]
- 7 From the study by Hodges and Tizard on social relationships:
- (a) Identify **two** characteristics that were used to match the comparison groups with the ex-institutional adolescents. [2]
  - (b) Outline **one** limitation of establishing a comparison group at the age of 16 in this study. [2]
- 8 Outline **two** controls used by Bandura, Ross and Ross in their study on the imitation of aggression. [4]

**Physiological Psychology**

- 9 Briefly describe **one** of the tests carried out on the split-brain patients in the study by Sperry. [2]
- 10 From the study by Schachter and Singer on emotion:
- (a) Describe the findings for **one** group of participants. [2]
  - (b) Explain how **one** finding from the study supports the two-factor theory of emotion. [2]

- 11 Explain **one** way in which the study by Raine, Buchsbaum and LaCasse on brain abnormalities in murderers is reductionist. [2]
- 12 From the study by Dement and Kleitman on sleep and dreaming outline **two** conclusions that can be drawn from the table of results below. [4]

**Instances of dream recall after awakenings.**

Participant Number	Awakenings in REM		Awakenings in N-REM	
	Dream Recall	No Recall	Dream Recall	No Recall
1	17	9	3	21
2	26	8	2	29
3	36	4	3	31
4	37	5	1	34
5	24	6	2	23
6	4	1	0	5
7	2	2	0	2
8	2	1	0	1
9	4	3	0	3
<b>Totals</b>	152	39	11	149

**Social Psychology**

- 13 From the prison study by Haney, Banks and Zimbardo explain what is meant by the 'dispositional hypothesis'. [2]
- 14 Outline **one** weakness of the sample in the subway Samaritan study by Piliavin, Rodin and Piliavin. [2]
- 15 From the study by Tajfel on intergroup discrimination:
- (a) Describe **one** way intergroup discrimination was demonstrated in this study. [2]
- (b) Suggest **one** way in which the intergroup discrimination found in this study could be explained. [2]
- 16 From Milgram's study on obedience:
- (a) Identify **two** findings from the study. [2]
- (b) Suggest how the findings from this study could be used to explain **one** example of obedience outside the laboratory. [2]

## Individual Differences

- 17 In the study by Hraba and Grant the black children showed greater preference for the black doll than those in the earlier study by Clark and Clark. Suggest **one** explanation for this finding. [2]
- 18 From the study by Rosenhan (on being sane in insane places), explain **one** disadvantage of conducting a field experiment. [2]
- 19 The review by Gould outlines Yerkes' use of IQ tests to measure intelligence:
- (a) Outline **one** strength of using quantitative data to measure intelligence. [2]
  - (b) Outline **one** weakness of using quantitative data to measure intelligence. [2]
- 20 Outline **two** differences found between the personalities of Eve White and Eve Black in the study by Thigpen and Cleckley on multiple personality disorder. [4]

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