THE UNIVERSITY OF THE WEST INDIES

EXAMINATIONS OF ____________________________ DECEMBER 2012

CODE AND NAME OF COURSE: PSYC 2003 PHYSIOLOGICAL PSYCHOLOGY

DATE AND TIME: DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES: This paper has 2 page(s) and 11 questions.

INSTRUCTIONS TO CANDIDATES:

THIS EXAM COMPRISES OF TWO (2) SECTIONS. SECTION I INCLUDES FIVE (5) SHORT ANSWER QUESTIONS AND SECTION II COMPRISSES OF FIVE (5) ESSAY TYPE QUESTIONS.

ANSWER ALL FIVE (5) QUESTIONS IN SECTION I AND CHOOSE TWO (2) ESSAYS FROM SECTION II
SECTION I
PLEASE ANSWER ALL FIVE (5) QUESTIONS IN SECTION I

1. State the THREE (3) major components of an emotional response and provide an example of each.  
   (3 marks)

2. Describe Broca’s aphasia and the THREE (3) major deficits that result from damage to this area.  
   (5 marks)

3. What are the FOUR (4) main symptoms of narcolepsy?  
   (4 marks)

4. State the FOUR (4) basic forms of learning and give an example of each  
   (4 marks)

5. Describe ‘The Dopamine Hypothesis’ in relation to schizophrenia  
   (4 marks)

[Total 20 marks]

SECTION II
PLEASE CHOOSE TWO (2) ESSAYS FROM THE QUESTIONS BELOW. EACH ESSAY IS WORTH 20 MARKS.

1. Discuss the role that physiology plays in feelings of emotion with reference to relevant theory and research.  
   (20 marks)

2. Discuss the brain structures and neural mechanisms involved in aggressive behavior and impulse control.  
   (20 marks)

3. Describe anterograde amnesia and explain what it suggests about the organization of learning and memory.  
   (20 marks)

4. What is sleep, and why do we need it?  
   (20 marks)

5. Discuss the brain mechanisms involved in speech production and recognition.  
   (20 marks)

6. Describe the major affective disorders and discuss their physiological causes.  
   (20 marks)

[Total 40 marks]

END OF EXAMINATION PAPER