



**PAN AFRICA CHRISTIAN UNIVERSITY
END OF SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF ARTS IN COUNSELING**

JANUARY-APRIL 2017

CAMPUS: ROYSAMBU

DEPARTMENT: PSYCHOLOGY

COURSE CODE: COU2221

COURSE TITLE: Brain & Behaviour

EXAM DATE: THURSDAY 6th APRIL 2017

TIME: 2.00PM – 5.00PM

INSTRUCTIONS

- Read all questions carefully before attempting.
- Write your **student number** on the answer booklet provided.
- Answer **ALL** questions in Section A and **ANY** three in Section B

SECTION A: Answer ALL questions

QUESTION 1

- a) Identify the two halves the brain is divided into* **(2 marks)**
- b) State what the brain is composed of* **(2 marks)**
- c) In two points, explain how human culture has influenced behavior* **(6 marks)**
- d) Explain with two examples how prolonged stress could trigger physiological pathologies* **(4 marks)**
- e) The study of the brain and behavior revealed the complexity and significance of the brain to human behavior. As a Christian social scientist, describe two ways God's greatness is revealed in this course* **(6 marks)**

QUESTION 2

- a) Discuss two social benefits of alcohol when ingested in moderation and the health hazards when it crosses the line* **(6 marks)**
- b) The blood brain barrier has been assigned intricate functions. Explain* **(4 marks)**

SECTION B: Answer any THREE questions

QUESTION 3

- a) Outline two ways caffeine affects the brain* **(4 marks)**
- b) Describe the determinants of gender identity and gender roles* **(6 marks)**

QUESTION 4

- a) Identify four functions of dopamine* **(4 marks)**
- b) Studies show differences in brain size between fruit and grass eating animals. Discuss* **(6 marks)**

QUESTION 5

- a) Contrast the functions of the radiator in an automobile engine and the brain size* **(4 marks)**
- b) Describe the sexual behaviors that may be observed from either a male whose testes or female whose ovaries are removed* **(6 marks)**

QUESTION 6

- a) Outline two functions of the hypothalamus* **(4 marks)**
- b) Distinguish between Bipolar and Depression Disorders respectively* **(6 marks)**