

THARAKA



UNIVERSITY

COLLEGE

*(A Constituent College of Chuka University)*

## UNIVERSITY EXAMINATIONS

### EXAMINATION FOR THE AWARD OF DOCTOR OF PHILOSOPHY IN COUNSELLING PSYCHOLOGY

#### CPSY 931: BIOLOGICAL AND COGNITIVE ASPECTS OF BEHAVIOUR

STREAMS: PHD

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/04/2020

8.30 AM – 11.30 AM

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#### INSTRUCTIONS:

- Answer any Three Questions
- Do not Write on the Question Paper

#### QUESTION ONE (20 MARKS)

- Critically discuss the various types of the nervous systems and how it influences human behavior. [10 marks]
  - Explain the concept of emotions and its contribution in determining human behavior. [10 marks]
- How does the following structures (biological) contribute in determining human behavior
  - The receptors [5 marks]
  - The effectors [5 marks]
  - Connectors [5 marks]
  - Neurotransmitters [5 marks]
  - Glands [5 marks]
- Neuropsychological assessment is a critical component of understanding human behavior. As a therapist, explain the role of their assessment in explaining the aspects of human behavior. [10 marks]
  - Discuss the distinction between the concepts; Bulimia Nervosa and Anorexia Nervosa. [10 marks]

4. (a) Discuss the contributions of cognition in the understanding of human behavior. [10 marks]
- (b) Critically explain the following concepts as it relates cognitive aspects of behavior.
- (i) Mental imagery [5 marks]
  - (ii) Perception [5 marks]
  - (iii) Problem – solving [5 marks]
  - (iv) Decision – making [5 marks]
5. (a) Explain the principles and contributions of Thorndike’s Operant Conditioning theory in the understanding of human behavior. [10 marks]
- (b) Critically examine the contribution of the respiratory system and its effects on understanding cognitive aspect of human behavior. [10 marks]
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