



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2013/2014**

**THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE  
OF BACHELOR OF ARTS IN PSYCHOLOGY WITH INFORMATION  
TECHNOLOGY  
(MAIN CAMPUS)**

**APY 302: PSYCHOLOGICAL PSYCHOLOGY**

*Date: 2<sup>nd</sup> April, 2014*

*Time: 8.30 - 10.45am*

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**INSTRUCTIONS:**

- Answer QUESTION ONE and any other TWO questions.



4. INSTRUCTIONS:

Answer Question ONE and any other TWO questions

- 1a) Discuss the biological explanations of behavior (8mks)
  - b) Briefly discuss the use of stereotaxic surgery (5mks)
  - c) Explain any five causes of genetic changes (5mks)
  - d) Describe the function of the pancreatic gland and its effect on behaviour (12mks)
- 2a) Describe the process of responding to an emergency by the sympathetic nervous system (6mks)
  - b) Using a diagram show the major divisions of the nervous system (8mks)
  - c) Describe the similarities and differences between neurons and other cells (6mks)
- 3a) Explain the functions of the glial cells (12mks)
  - b) Discuss the functions of the four lobes of the cerebral cortex (8mks)
- 4a) Discuss the resting and action potentials of a neuron (16mks)
  - b) Explain how sex-linked genes differ from sex-limited genes (4mks)
- 5a) Describe the electrochemical transmission of information from neuron to neuron (14mks)
  - b) Explain the mechanism behind the effect of cocaine in the user (6mks).