



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE
DEGREE OF BACHELOR OF ARTS IN PSYCHOLOGY WITH
INFORMATION TECHNOLOGY**

CITY CAMPUS -REGULAR

APY 407: BEHAVIOURAL NEUROSCIENCE

Date: 13th February, 2018

Time: 2.00 - 5.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO



Answer question one and any other two questions

1. a.) Critically examine the meaning of neuroplasticity in behavioral neuroscience (2mks)
 - b.) Explain two roles of behavioral neuroscientists (4mks)
 - c.) Define the term
 - i.) Behavioral neuroscience (4mks)
 - ii.) Functional specialization (3mks)
 - iii.) Nervous specialization (3mks)
 - d.) Briefly describe the history of behavioral of behavioral neuroscience (10mks).
 - d.) Describe the relationship of neuropsychology to the disciplines of psychology and biology (4mks).
2. a.) Examine any four methods of disabling or decreasing neural function. (12mks).
 - b.) Assess any four methods of enhancing neural function. (8mks).
3. a.) A neuroscientist was interested in measuring neural activity. Assess any four methods which can be used (16mks).
 - b.) Analyze any two genetic techniques used in the study of behavioral neuroscience (4mks).

4.a.) Discuss any two advantages and two limitations of the techniques used in treating/studying neural activity.(8mks).

b.). Behavioral neuroscience has contributed to the understanding of medical disorders. Assess any four diseases which can be treated using knowledge of behavioral neuroscience (12mks)

5.) Using a brain diagram assess the functions of any four (4) parts of the brain (20mks).