



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR DEGREE
OF BACHELOR OF SCIENCE IN CLIMATE CHANGE AND
DEVELOPMENT WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

**NCA 413: INDIGENOUS AGRICULTURE AND PLANT
BREEDING FOR CLIMATE CHANGE**

Date: 13th December, 2016

Time: 12.00 - 3.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO
- Sketch maps and diagrams should be used where appropriate



1. a) Explain the forms of indigenous agriculture (10 Marks)
b) Discuss the role of indigenous agriculture to climate change (20 Marks)
2.) Compare and contrast organic and conventional farming practices (20 Marks)
3. Explain practices to manage systems interactions in organic farming systems. (20 Marks)
4. Discuss the adaptability of indigenous agriculture to climate change. (20 Marks)
5. Discuss the view that indigenous farming systems are fundamental in mitigating effects of climate change. Discuss. (20 Marks)
6. Discuss the role of plant breeding in climate change adaptation (20 Marks)