



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR
THE DEGREE OF MASTER OF SCIENCE IN BOTANY**

MAIN CAMPUS

SBT 842: MEDICINAL AND POISONOUS PLANTS

Date: 27th April, 2016

Time: 11.00 - 2.00 pm

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any THREE in SECTION B.

SBT 842: Medicinal and poisonous plants

Date

Time

INSTRUCTIONS: Attempt **ALL** questions in section **A** and **ANY THREE** selected from section **B**.

SECTION A: 30 marks; each question carries 15 marks.

1. a). Discuss African traditional medicine according to WHO, centre for health development.
(5 marks)
- b). Write short notes on the following approaches to African traditional medicine.
(10 marks)
 - a) Mental health services
 - b) Midwifery services
 - c) Bone setting
 - d) Herbal therapies
 - e) Magic and witchcraft
2. a). Briefly describe how macerations and decoctions are prepared.
(5 marks)
- b). Illustrate the traditional mode of dispensing herbal drugs.(10 marks)

SECTION B: ESSAY QUESTIONS (30 marks: each question carries 10 marks)

1. How are the two methods listed below applicable in identifying authentic medicinal plants?
 - a) Simple sequence repeats (SSR)
 - b) DNA Barcoding

2. Briefly discuss five qualitative methods that are applicable in testing the presence of phenolic compounds in a plant sample.
3. Using relevant examples, briefly describe how antibiotics work in the human body.
4. Outline the various ways of controlling poisonous plants.
5. Discuss the facets of WHO on comprehensive approach to herbal remedies.