



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

**FIRST YEAR FIRST SEMESTER EXAMINATIONS
FOR THE DEGREE OF MASTER OF SCIENCE IN
BOTANY (AGROFORESTRY, PLANT ECOLOGY AND
PLANT PATHOLOGY)**

MAIN CAMPUS

SBT 803: HERBARIUM PRACTICE

Date: 12th February, 2018

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer ALL Questions in Section A and any other THREE from Section B.



SECTION A: Compulsory questions (90 minutes) (30 marks)

1. Describe how you can construct the identification keys (15 marks)
2. Discuss the following;
 - (a) What is an inflorescence? (5 marks)
 - (b) Mention how a herbarium specimen is labeled. (5 marks)
 - (c) How are bryophyte specimen mounted and filed in a herbarium? (5 marks)

SECTION B; (90 Minutes) (30 marks)

3. Describe the importance of taxonomic characters in systematics. (10 marks)
4. Discuss the limitations and equipments you need to conduct a field collection expedition in Northern Kenya. (10 marks)
5. How do you care for your herbarium plant specimens? (10 marks)
6. Mention how you will name and file all your fossil specimens. (10 marks)
7. Show how you will process and preserve the fruits and inflorescence of a large plant specimen (10 marks)