



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE  
DEGREE OF MASTER OF SCIENCE**

**MAIN CAMPUS**

**SBT 803: HERBARIUM PRACTICE**

Date: 7<sup>th</sup> December, 2015

Time: 8.30 - 11.30am

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**INSTRUCTIONS:**

- Answer ALL Questions in section A and any THREE selected from section B.



**SECTION A: Compulsory questions (90 minutes) (40 marks)**

1. Describe how you can construct an identification key. (20 marks)
2. (a) How will you arrange your herbarium specimens? (5 marks)  
(b) What is a floral formula? (5 marks)  
(c) Mention how herbarium specimens are labeled. (5 marks)  
(d) How are algae specimen filed in a herbarium? (5 marks)

**SECTION B; (90 Minutes) (30 marks)**

3. Discuss how you can describe an unknown angiosperm plant (10 marks)
4. Describe the importance of taxonomic characters in systematics. (10 marks)
5. Discuss the limitations and equipments you need to conduct a field collection expedition in mount Kilimanjaro. (10 marks)
6. After collection, how do you care for your herbarium plant specimens? (10 marks)
7. Mention how you will name and file all your fossil specimens. (10 marks)