



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

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

MAIN CAMPUS

SBT 817: LIMNOLOGY

Date: 27th April, 2016

Time: 8.30 - 11.30 am

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any other THREE questions from SECTION B



SBT: 817 LIMNOLOGY

Date-----

Time-----

Instructions: Answer ALL questions in section A and any THREE selected from section B

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

1. Discuss the hydrological and water balance in a lake. (10 marks)
2. Discuss the physical and chemical properties of water. (10 marks)
3. Describe the mode of formation and origin of the following water bodies;
 - (a) Lake Victoria. (5 marks)
 - (b) Lake Tanganyika. (5 marks)

SECTION B; (90 minutes) (30 marks)

4. Describe the water management problems encountered in a manmade lake. (10 marks)
5. What are the components of the Tana river ecosystem? Discuss. (10 marks)
6. Describe how you would manage the sewage problems of Homa-bay town (10 marks)
7. Discuss the structure and constitution of a littoral zone. (10 marks)