



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

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

MAIN CAMPUS

SBT 819: EUTROPHICATION AND POLLUTION

Date: 25th April, 2016

Time: 8.30 - 11.30 am

INSTRUCTIONS:

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



MAIN CAMPUS

SBT 819: EUTROPHICATION AND POLLUTION

DATE:

TIME:

INSTRUCTIONS:

.Answer Compulsory Questions in section A and any THREE Questions from section B.

SECTION A: COMPULSORY QUESTIONS IN SECTION A (30 MARKS)

1. Discuss the effects of pollution at the ecosystem level (15 Marks).
2. Discuss the chemical and biological methods for monitoring pollution (15 Marks).

SECTION B: Answer THREE Essay Questions (30 Marks)

3. Explain the use of density of indicator species, relative abundance and ecological diversity parameters in the assessment of pollution (10 Marks).
4. Describe the ecological pattern shown by Lichens as pollution indicators (10 Marks).
5. Discuss the application of bioassay technique in pollution studies (10 Marks).
6. Using an example, describe the possible recovery and self-purification phases of polluted rivers (10 Marks).
7. Explain the measures put in place to control water and air pollution world health organization (10 Marks).