



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2013/2014**

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE  
OF MASTER OF SCIENCE IN MEDICAL BIOTECHNOLOGY, MASTER  
OF SCIENCE IN MEDICAL PARASITOLOGY, MASTER SCIENCE IN  
MEDICAL IMMUNOLOGY, MASTER OF MEDICAL ENTOMOLOGY  
AND VECTOR SCIENCE, MASTER SCIENCE IN CLINICAL  
CHEMISTRY, MASTER OF SCIENCE IN CYTOLOGY AND  
HISTOPATHOLOGY AND MASTER OF SCIENCE IN  
PHARMACEUTICAL SCIENCE

(CITY CAMPUS)

**PMT 812: LABORATORY AND HEALTH CARE SYSTEM  
MANAGEMENT**

*Date: 26<sup>th</sup> November, 2013*

*Time: 2.00 – 5.00pm*

**INSTRUCTIONS:**

- Answer QUESTION ONE and any other FOUR QUESTIONS.

**PMT 812: LABORATORY AND HEALTH CARE SYSTEM MANAGEMENT**

**Msc Medical Biotechnology, Msc Medical Parasitology, Msc Medical Immunology, Msc Medical Entomology and Vector Science, Msc Clinical Chemistry, Msc Cytology and Histopathology and Msc Pharmaceutical Science**

**SECTION A:**

**Answer Questions 1 and any other FOUR Questions**

1. a) Define the term “management” (3 Marks)  
  
b) Explain the meaning of the term “implementation of a plan” (3 Marks)  
  
c) Briefly explain three benefits of delegation (3 Marks)  
  
d) Define the function of a laboratory scientist (4 Marks)  
  
e) Briefly explain the reason for designing a laboratory (3 Marks)  
  
f) Briefly discuss the purpose of job description in a laboratory set up (4 Marks)
2. a) Explain the term “procurement” (4 Marks)  
  
b) Describe 2 most important characteristics of a functioning procurement system (6 Marks)
3. Explain four (4) components that make up an effective quality assurance system (10 Marks)
4. Briefly describe four most important safety measures in a Laboratory (10 Marks)
5. Compare and contrast Regulation and Accreditation of Laboratories dealing with health (10 Marks)
6. Describe 5 most important departments of a functioning public health laboratory (10 Marks)