

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF MASTER OF SCIENCE IN BIOMEDICAL SCIENCE (CITY CAMPUS)

PMT 815: ADVANCED IMMUNOLOGY

Date: 25th November, 2013

Time: 2.00 - 5.00 p.m.

PMT 815: ADVANCED IMMUNOLOGY

Date:	Time: 3 HOURS
Date.	Time, 5 HOOKS

Attempt question ONE and any other FOUR questions. Each question carries 20 marks.

- 1. Describe the architectural and cellular organization of a lymph node (20 marks).
- 2. Discuss the process of generating humanized monoclonal antibodies (20 marks).
- Vertebrates have complex immune system. Discuss this statement in the context of evolution of the immune system in the animal Kingdom (20 marks).
- 4. Describe the developmental and maturation process of a T cell (20 marks).
- Complement is important in recognition and control of pathogens. Discuss (20 marks).
- Discuss various effector mechanisms involved in control of bacterial and fungal infections (20 marks).