



MASEÑO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN MEDICAL LABORATORY, MEDICAL
BIOTECHNOLOGY AND PHARMACEUTICAL SCIENCES WITH
INFORMATION TECHNOLOGY**

(MAIN CAMPUS)

PMT 316: MEDICAL PARASITOLOGY

Date: 27th November, 2013

Time: 11.00am – 1.00pm

INSTRUCTIONS:

- Answer QUESTION ONE and any other TWO questions.

PMT 316: MEDICAL PARASITOLOGY

SECTION A: 40 MARKS

Answer ALL Questions

1. Define the term "definitive host" as applied to a human parasite (3 Marks)
2. Explain zoonosis (3 Marks)
3. Define a vector of a parasitic disease (4 Marks)
4. Briefly discuss laboratory diagnosis (4 Marks)
5. Explain with example the term "intermediate vertebrate host" of a human parasite (4 Marks)
6. Briefly explain the role of the following in the control of parasitic infections
 - a) Hygiene (3 Marks)
 - b) Sanitation (3 Marks)
 - c) Cooking (3 Marks)
 - d) Health education and mobilization (3 Marks)
7. Define myiasis in human parasitology (4 Marks)
8. Identify three medically important protozoan parasites in the following human host habitats:
 - a) Blood (2 Marks)
 - b) Tissues (2 Marks)
 - c) Enteric (2 Marks)

SECTION B: 30 MARKS

Answer Question 1 and ONE other Question

1.
 - a) Describe the life cycle of *Plasmodium falciparum* in the human host (12 Marks)
 - b) How does the mosquito vector acquire infection (3 Marks).
2. Describe the life cycle of *Wuchereria bancrofti*
 - a) In man (5 Marks)
 - b) In the vector (5 Marks)
 - c) Briefly describe the most important control measures for the disease (5 Marks)
3.
 - a) Explain the lifecycle of *Taenia saginata* (10 Marks)
 - b) How can the disease be controlled (5 Marks)