MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

PMT 316: MEDICAL PARASITOLOGY

Date: 1ˢᵗ March, 2018

Time: 3.30 - 6.30pm

INSTRUCTIONS:

- Answer ALL Questions in Section A and any TWO in Section B

SECTION A: 40 MARKS

Answer ALL Questions

1. Define the term "confirmatory diagnosis" in parasitology (4 Marks)
2. Explain giving example the cyclical development of a parasite (4 Marks)
   a) In the vector
   b) In the animal reservoir (4 Marks)
3. Describe the use of locomotory organelles in Protozoology (4 Marks)
4. Explain using three (3) examples three (3) habitats of human parasites (6 Marks)
5. Give examples of two (2) taxonomically diverse parasites
   of man transmitted by mosquitoes (4 Marks)
6. Explain THREE (3) taxonomic Phyla of VECTORS of human diseases (6 Marks)
7. Specify three major epidemiological zones for malaria in Kenya (5 Marks)
8. Explain with example why vector control may not be the best way
   of controlling a vector borne disease (3 Marks)

SECTION B: 30 MARKS

Answer any TWO (2) Questions

9. a) Discuss the life cycle of *Taenia solium* (10Marks)
   b) Explain control measures for *T. solium* (5 Marks)
10. a) Define the ecology of vectors of Onchocerciasis (10 Marks)
    b) Explain the most important control measure for Onchocerciasis (5 Marks)
11. a) Define a case of Guinea worm (5 Marks)
    b) Explain at least four(4) most important control measures for
    Guinea worm (10 Marks)