



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

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

PMT 316: MEDICAL PARASITOLOGY

Date: 9th April, 2014

Time: 11.15 a.m. – 1.30 p.m.



PMT 316: MEDICAL PARASITOLOGY

70 MARKS 2 HOURS

SECTION A (40 MARKS). Answer ALL QUESTIONS from this section.

Q1 Write short notes on life cycle of *Plasmodium falciparum* in the invertebrate host.
5 Marks

Q2. Give major groupings or phyla which constitute protozoal parasites of medical importance
4Marks

Q3. Write short notes on:

(a) Parasite **5 marks**

(b) Host **5 Marks**

Q4. Describe how you distinguish between amoebic and bacillary dysentery **5 Marks**

Q5. Write short notes on malaria relapse and recrudescence **4 Marks**

Q6. Should *Entamoeba histolytica* still be considered as one species? **3 Marks**

Q7. Write short notes on protozoa that are opportunistic pathogens. **4Marks**

Q8. List the major disease manifestations of severe falciparum malaria: briefly discuss the pathogenesis of one of them. **5 Marks**

SECTION B (30 MARKS)

ANSWER ANY THREE QUESTIONS FROM THIS SECTION, EACH QUESTION IS 10 MARKS.

Q9What is a zoonosis? Describe four (4) major parasitic zoonotic infections and for each one, mention the hosts involved and how to control it.

Q10: Discuss the epidemiology and control of a named geo-helminth.

Q11: The prevalence of intestinal parasitic infections reflects the levels of personal and general hygiene within a community. True or False? Explain your answer using relevant parasitic infections.

Q12. Discuss currently available methods for diagnosis and control of schistosomiasis.