



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN COMMUNITY HEALTH
BSCH 13S

AML 4131 : BASIC PARASITOLOGY

SEMESTER : EXAMINATION

APRIL 2014 SERIES

2 HOURS

Instructions to candidates:

This paper consists of **SIX** questions

Answer question **ONE** (compulsory) and any other **TWO** questions

QUESTION ONE

- Explain briefly the symbiosis (parasite and Host) known as “commensalism”. **(5marks)**
- Mention three control /preventive measures that could be instituted against *Ascaris lumbricoides* **(6marks)**
- Discuss briefly the factors that lead to transmission of *Enterobius vermicularis* **(6marks)**
- Write three symptoms /pathology caused by Hookworm species infection. **(6marks)**
- Mention three possible phases that occur in life cycle of the species *strongyloides stercoralis* **(3marks)**
- List four general characteristics of trematodes (flukes) **(4marks)**

QUESTION TWO

- Write the life cycle of *schistosoma haematobium* **(5marks)**

- b) Discuss five (5) control / preventive measures that could be instituted against *Paragonimus westermani* **(5marks)**
- c) Mention five diseases (symptoms and pathology) caused by whipworm (*Trichuris trichira*) infection **(5marks)**

QUESTION THREE

- a) Explain two control /preventive measures against, malaria under each subheading:-
- (i) Personal protection **(2marks)**
 - (ii) The vector **(6marks)**
 - (iii) The parasite **(2marks)**
- b) Briefly state how human infection of *Toxoplasma gondii* can be acquired **(5marks)**

QUESTION FOUR

- a) Discuss the life cycle of *Entamoeba histolytica* **(10marks)**
- b) Write two general characteristics of mastigophora (zoomastigophora) **(2marks)**
- c) State three clinical manifestation and pathology of malaria infection **(3marks)**

QUESTION FIVE

- a) State briefly five morphological characteristics of *Taenia saginata* **(5marks)**
- b) Mention five general characteristics of arthropods **(5marks)**
- c) Write two medical importance of *Anopheles* mosquitoes **(5marks)**

QUESTION SIX

- a) Outline three importance of mosquito larvae collection **(6marks)**
- b) Mention two medical importance contributed by genera *Glossina* **(4marks)**
- c) State two medical importance of simulium **(5marks)**