



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN COMMUNITY HEALTH & HIV MANAGEMENT

AML2106 : BASIC PARASITOLOGY

END OF SEMESTER EXAMINATION

SERIES:AUGUST2019

TIME:2HOURS

DATE:Pick DateDec2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions

Question ONE

- (i). Define the following terms;
- (a) Endoparasite (2 marks)
 - (b) Zoonosis (2 marks)
 - (c) Intermediate host (2 marks)
 - (d) vectors (2 marks)
 - (e) Reservoir host (2 marks)
- (ii). Describe any FIVE characteristics of the sub-phylum sarcodina (5 marks)
- (iii). Outline any FIVE personal hygiene measures one needs to undertake to prevent infections transmitted through the faecal-oral route. (5marks)
- (iv). Describe the preventive / control measures against mosquitoes taking blood meal. (5 marks)
- (v) Explain why it is necessary that the couple and not one of partners seek medical attention in case of a sexually transmitted disease (5 marks)

Question TWO

- (a) Describe routes of parasite transmission and for each give a relevant example. (10 marks)
- (b). Describe the parasitic factors that influence whether parasitic infections cause disease. (5 marks)

Question THREE

- (a) Describe preventive measures that can be put in place to control the transmission of intestinal protozoa. (5 marks)
- (b) Describe pathogenesis of Ascariasis caused by *Ascaris lumbricoidese* (5marks)
- (C) Outline the control measures for Ascariasis caused by *Ascaris lumbricoidese* (5 marks)

FOUR

- (a) Discuss Entamoeba histolytica under the following headings;
 - (i) Life cycle (5marks)
- (b) Community participation and personal hygiene is essential in control of intestinal parasitic diseases. Explain this statement. (10 marks)

Question FIVE

- (a) list the species of malaria parasite: (4 marks)
- (b) Differentiate between stable and unstable *falciparum* malaria (6 marks)
- (c) Briefly outline the control measures for malaria parasite (5 marks)

