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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) Citing appropriate examples differentiate the following terms;

- (a) Parasitic infection and Parasitic infestation (3 marks)
- (b) Reservoir host and Vector: (3 marks)
- (c) Definitive host and Intermediate host (3 marks)

(ii). Stating appropriate examples outline five routes through which parasites may be transmitted. (5marks)

(iii) Outline any measures to prevent infections transmitted through the faecal-oral route. (6 marks)

(iv) Briefly describe the host factors that influence whether parasitic infections cause disease. (5 marks)

(v) Briefly explain the epidemiology and transmission of Ascariasis (5 marks)

### Question TWO

- (a). Briefly explain mechanisms of transmitting *Entamoeba histolytica* (5 marks)
- (b). Describe the parasitic factors that influence whether parasitic infections cause disease. (5 marks)
- (c). Discuss the pathogenesis of Giardiasis (5 marks)

### Question THREE

(a) Discuss *Trichomonas vaginalis* under the following headings;

- (i) Clinical features (5 marks)
- (ii) Laboratory diagnosis (5 marks)
- (iii) Prevention and control (5 marks)

### Question FOUR

(a) Briefly outline the life cycle of Plasmodium falciparum (9marks)

(b) Outline the control measures taken to protect against malaria (6 marks)

### Question FIVE

(a) Community participation and personal hygiene is essential in control of intestinal parasitic diseases. Discuss (10 marks)

(b) Why is it necessary that the couple and not one of partners seek medical attention in case of a sexually transmitted disease (5 marks)

