



**TECHNICAL UNIVERSITY OF MOMBASA**

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

**UNIVERSITY EXAMINATION FOR:  
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT**

**DCHM/16S/YEAR 2/SEMESTER 1  
AML 2219: BASIC PARASITOLOGY  
SPECIAL/ SUPPLIMENTARY EXAMINATIONS**

**SERIES: SEPTEMBER 2018**

**TIME: 2 HOURS**

***Instructions to Candidates***

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

***This paper consists of two printed pages.***

***Mobile phones are NOT allowed in the examination room***

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**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 lumbricoide* (5marks)
- (c) Outline the control measures for Ascariasis caused by *Ascaris lumbricoide* (5 marks)

### **Question FOUR**

- (a) Discuss Entamoeba histolytica under the following heading;
- (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)