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*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR**

### **THIRD YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY AND  
BACHELOR OF SCIENCE IN AGRICULTURE.**

**COURSE CODE:** SZL 322  
**COURSE TITLE:** PARASITOLOGY 1

**DATE:** 18<sup>th</sup> OCTOBER, 2018.

**TIME:** 8:00 - 10:00 a.m.

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#### **INSTRUCTIONS TO CANDIDATES**

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



**KIBU observes ZERO tolerance to examination cheating**

1 a) Define the following terminologies giving an example of each. i) Helminthology, ii) Commensalism (3 marks)

b) Describe the general characteristics of cestodes (3 marks)

c) Explain the fate of a parasite in foreign host (3marks)

d) Describe the lifecycle of *Enterobius vermicularis* (3 marks)

e) Discuss the control of *Taenia saginata* (3 marks)

f) ) Explain the laboratory diagnosis of *Enterobius vermicularis* (3 marks)

g) Dexplain briefly the control of filariasis

i) Explain the pathology of Onchocerciasis (3 marks)

j) Explain how one can get infected with *Enterobius vermicularis* (3 marks)

k) define the following terms and give examples of each.

i. Helminthology (1.5 marks)

ii. Symbiosis (1.5 marks)

2 a) Explain the mechanisms of parasite transmission (10 marks)

b) Describe the morphological features of *Ascaris lumbricoides* (adult worm) (10 marks)

3 a) Explain the pathology of Hookworm (10 marks)

b) Discuss prevention and control *Trichuris trichiura* (10 marks)

4 Describe the lifecycle of *Strongyloides stercoralis* (10 marks)

5 Discuss the prevention and control of *Echnococus granulosus* (20marks)