

(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER
SUPPLEMENTARY/SPECIAL EXAMINATIONS


**FOR THE DEGREE OF BACHELOR OF SCIENCE (BIOLOGY AND BIO-
RESOURCE MANAGEMENT)**

COURSE CODE: SZL 111
COURSE TITLE: LOWER INVERTEBRATES

DATE: 3rd October, 2018 **TIME: 8:00 -10:00 a.m.**

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** [1] and any other **TWO** [2] questions
TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over 

KIBU observes ZERO tolerance to examination cheating

1. [i] Explain **FIVE** features that have led the increased abundance of the cestods. [10 mks]
[ii] How does reproduction occur in *Ascaris lumbricoides*? [4mks]
[iii] Illustrate the **essence of platyhelminthes** to human economics? [8mks]
[iv] Describe the **strobilation process** in a named **typical coelenteratan**. [8mks]
2. [a] Briefly describe the **functionality mechanism** of the **pseudopodia**. [4mks]
[b] How does the **triploblastic** body morphology form in the **turbellarians**? [8mks]
[c] Cite **three** species of the **plasmodium** and **explain** their **medical** importance. [8mks]
3. [i] Describe **FOUR** diagnostic features of the **nematods**. [8mks]
[ii] Illustrate the **life cycle** of the *Teania solium*. [8mks]
[iii] Show the **damaging effects** of nematodes to both **flora and fauna**. [4mks]
4. [a] State **two** functions of the **trochal disc** in the **rotiferans**. [2mks]
[b] How have the **protozoans** led to **food insecurity** in the country? [6mks]
[c] Cite **two** hydrozoans. [2mks]
[d] Describe the distinctive **features** of **annelids**. [10mks]
5. Classify **molluscs** up to **class** level emphasizing their **morphological** features and cite one
(1) example in each case. [20mks]