



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2021/22 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AND BACHELOR OF
EDUCATION (SCIENCE)**

COURSE CODE: SZL 111/114

COURSE TITLE: BASIC ZOOLOGY / INVERTEBRATE ZOOLOGY

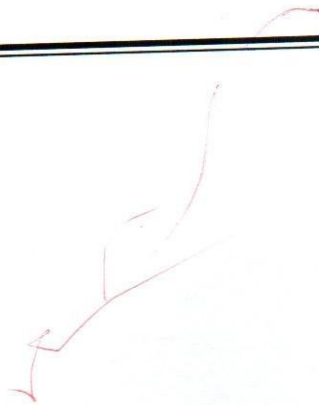
DATE: 4TH FEBRUARY 2022

TIME: 2.00 - 4.00 PM

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] Enumerate two [2] **phases** of a Protozoan life cycle [2marks]
[ii] Differentiate between **encystations** and **excystation**. [5mks]
[iii] List three [4] types of **cnidocytes** [4 mks]
[iv] State two [2] functions of a **clitellum** [4 mks]
[v] How does reproduction occur in *Ascaris lumbricoides*? [5 mks]
[vi] Illustrate the **essence of protozoans** to human economics [5mks]
[iv] Describe the **strobilation process** in a named **typical cnidarian**. [5mks]

- Q2. [a] Briefly describe the **amoeboid locomotion in sarcodinans**. [4mks]
[b] How does the **triploblastic** body morphology form in the **turbellarians**? [8mks]
[c] Cite **three** species of the **schistosomes** and **explain** their **medical** importance. [8mks]

- Q3. [i] Describe **FOUR** taxonomic features of the **poriferans**. [8mks]
[ii] Illustrate the **life cycle** of the hookworms. [8mks]
[iii] Show the **damaging effects** of nematodes to both **flora and fauna**. [4mks]

- Q4. [a] State **two** functions of the **trochal disc** in the **rotiferans**. [2mks]
[b] How have the **cestods** led to **food insecurity** in the country? [6mks]
[c] Cite **two** anthozoans. [2mks]
[d] Describe the distinctive **features** of **molluscs**. [10mks]

- Q5. Account for **numerical abundance** of **arthropods** in the ecosystem. [20 mks]