



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2021/22 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATION

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

COURSE CODE: SZL 111/114

COURSE TITLE: BASIC ZOOLOGY/INVERTEBRATE ZOOLOGY

DATE: 19TH JULY 2022

TIME: 11.00 – 1.00 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] State **three** (3) species of **schistosomes**[3mks]
[ii] What is the significance of a **cyst** in a protozoan life cycle [3mks?]
[iii] Briefly describe **euglenoid** locomotion [4mks]
[iv] List four [4] distinctive features of **scyphozoans**. [4mks]
[v] Describe open **circulatory system** in insects [5mks]
[vi] Explain **three** (3) types muscles for locomotion in **turbellarians**. [6mks]
[vii] Briefly describe **asexual reproduction** in Annelids

2.(a) State the functions of the following: [3mks]

- i) Cnidae
- ii) Protonephridia
- iii) Statocysts

b) State **three** general characteristics and **four** examples of protozoans. [7mks]

(c) Classify **cnidarians** up to **class** level emphasizing their morphological features and cite **one** (1) example in each case. [10mks]

3. [i] Show the **damaging effects** of nematodes to both flora and fauna. [8mks]

[ii].How is the **platyhelminthes** adapted to their **parasitic** mode of life? [7mks]

[iii] What is the economic value of **protozoans** to human economics? [5mks]

4. [a]Illustrate the **life cycle** of the hookworms. [10mks]

[b] Describe **FOUR** taxonomic features of the **nematods**. [10mks]

5. [i] Distinguish the **polychaetes** and **oligochaetes**. [10mks]

[ii] Describe the **reproduction** process in the **annelids**. [10mks]