



**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**MAIN EXAMINATIONS  
WEBUYE CAMPUS**

**FIRST YEAR SCHOOL BASED FIRST SEMESTER  
EXAMINATIONS**

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

**COURSE CODE: SZL 111**

**COURSE TITLE: INVERTEBRATE ZOOLOGY**

**DATE: TUESDAY, 19<sup>TH</sup> APRIL 2022 TIME: 9:00 – 11:00 A.M.**

**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions in section A and ANY TWO selected from section B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. 

## **SECTION A (SHORT ANSWER QUESTIONS, 40 MARKS)**

1. Biological classification of animals faces a number of challenges, highlight them (4 marks)
2. Outline four applications of phylum mollusca to humanity (4 marks)
3. Explain the process of exocytosis in protozoa (4 marks)
4. Highlight the process of reproduction in ciliates (4 marks)
5. Members of Platyhelminthes multiply very fast. Give any four contributing factors to this. (4 marks)
6. What is the importance of the small size of insects (4 marks)
7. Give four reasons why the populations of members of Genus Trypanosoma should be put under check (4 marks)
8. Briefly explain how the skeleton of Sycon sponge can be treated (4 marks)
9. Write brief notes on formation of Amphiblastula larva (4 marks)
10. Give four ways in which members of Phylum Mollusca are useful to man (4 marks)

## **SECTION B (ESSAY QUESTIONS, 30 MARKS)**

9. Ctenophoras are uniquely different from Cnidarians. Give reasons to support this statement (15marks)
10. Discuss the distinctive characteristics of Echnodermata (15 marks)
11. Discuss the contribution of members of phylum Annelida in the ecosystem (15 marks)