



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

ZOO 101 LOWER INVERTEBRATES

STREAM: Y1 S1

TIME: 2 HOURS

DAY: WEDNESDAY, 9:00A.M – 11:00 A.M

DATE: 07/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.**
- 2. Answer Section A (Compulsory) and any other TWO Questions in section B.**

SECTION A (30 MARKS)

1. Distinguish between polyp and medusa body forms in cnidarians (8marks)
2. Outline distinguishing features of protozoa (8marks)
3. Give a sketch diagram showing clearly (4marks)
 - i) Osculum
 - ii) Spongocoel
 - iii) Ostia
 - iv) Direction of water flow
4. Explain briefly four aspects of the economic importance of sponges (4marks)
5. Outline economic importance of cnidarians. (6marks)

SECTION B

- a) Describe four major taxonomy groups of protozoa. (12marks)
- b) Outline body features of medusa. (12marks)
7. a) Phylum Porifera are the lowest multicellular animals, outline some of their important characteristics. (15marks)
 - b) name three classes of Porifera and in each give an example (5marks)
8. a) Outline general characteristics of Platyhelminthes. (8marks)
 - b) Describe characteristics of Ctenophora. (12marks)