

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
WILDLIFE ENTERPRISE AND MANAGEMENT**

NARE 111: INVERTEBRATES AND NATURAL RESOURCES

STREAMS: WIEM Y2S1

TIME: 2 HOURS

DAY/DATE: MONDAY 16/12/2024

8.30 A.M – 10.30 A.M.

INSTRUCTIONS:

- Answer **All** questions in **SECTION A** and **Any Two** in **SECTION B**.
- Do not write anything on the question paper.

SECTION A (30 MARKS)

1. Define torsion and highlight three ways in which gastropods reduce fouling after torsion. (5 Marks)
2. Outline five reasons making invertebrates to be placed in r-selected reproductive strategy. (5 Marks)
3. Identify four species of protozoans giving the type of diseases they cause. (4 Marks)
4. Highlight five differences between the medusa and the polyp forms of Cnidarians. (5 Marks)
5. Describe the three types of coral reefs. (6 Marks)
6. Using a diagram, briefly explain the application of cladistics in describing phylogeny. (5 Marks)

SECTION B (40 MARKS)

7. Discuss the morphological and physiological parasitic adaptations of Platyhelminthes. (20 Marks)
8. a) Identify five types of parasitic nematodes and explain their mode of infection to man. (10 Marks)

- b) The class insecta is the most diverse and successful of all invertebrate classes. Explain this statement. (10 Marks)
9. Discuss the impacts of global climate change on invertebrates. (20 Marks)
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