

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN WILDLIFE MANAGEMENT

NARE 110: INVERTEBRATE BIOLOGY

STREAMS: BSC (WIEM) (NARE) Y2S1

TIME: 2 HOURS

DAY/DATE: MONDAY 17/12/2018

11.30 P.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any other TWO in section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

1. With aid of a diagram describe the basic Mollusca body plan [5 marks]
2. Describe five unique characteristics of phylum Echinodermata [5 marks]
3. Giving one example in each, name four orders of class insect [5 marks]
4. Briefly discuss feeding and reproduction in sponges [5 marks]
5. Give two distinguishing characteristics of the following phylum [5 marks]
 - (a) Phylum Perifera and Phylum Protozoa
 - (b) Phylum Annelida and Phylum Radiata
6. Briefly discuss why the study of invertebrates is important in wildlife conservation and management [5 marks]

SECTION B (ANSWER ONLY TWO QUESTIONS) – 40 MARKS)

7. Discuss the importance of invertebrates [20 marks]
8. Discuss why arthropods have achieved greater diversity, abundance and ecological distribution [20 marks]
9. Discuss general characteristics of class insecta [20 marks]