



EMBU UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

FIRST SEMESTER EXAMINATIONS 2013/2014

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE/BIOLOGY/MICROBIOLOGY AND
BIOTECHNOLOGY/ENVIRONMENTAL CONSERVATION**

SZL 101: INVERTEBRATE ZOOLOGY

DATE: DECEMBER 4, 2013

TIME: 8.30 – 10.30AM

INSTRUCTIONS:

ANSWER ANY TEN (10) QUESTIONS (7 MARKS EACH)

Illustrate your answers with labeled diagrams where appropriate

1. Distinguish between lower and higher invertebrates
2. Distinguish between protostomia and deuterostomia
3. Describe the main features of Class Cestoda
4. Distinguish class insecta and Myriapoda
5. Describe the function of feeding appendages of Crustaceans
6. Enumerate characteristics of the class Chilopoda that qualify them to be members of the phylum Arthropoda.
7. Describe the characteristic features of Echinodermata
8. Describe how Platyhelminthes are adapted to parasitic mode of life

9. Explain the meaning of the following terms
 - i.) Binary fission
 - ii.) Polymorphism
 - iii.) Diploblastic
10. Describe the main features of Class Asterozoa (Starfish)
11. Give a comparative account of the classes of annelids.
12. Discuss the economic importance of the Phylum Porifera

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