

**ZOOL 101**

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE AND  
BACHELOR OF EDUCATION SCIENCE**

**ZOOL 101: LOWER INVERTEBRATES**

**STREAMS: BSc, B.Ed Sci**

**TIME: 2 HOURS**

**DAY/DATE: FRIDAY 8/12/2017**

**11.30 A.M - 1.30 P.M.**

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**INSTRUCTIONS:**

- **Answer ALL the questions in Section A and any TWO in Section B**

**SECTION A: [30 MARKS]**

1. Outline the general characteristics of phylum porifera. [5 Marks]
2. Describe the structure of catenophore [5 Marks]
3. Outline features that are used in the classification of Cnidarians. [5 Marks]
4. Compare and contrast the classes Cestoda and Trematoda [5 Marks]
5. Describe excretory structure of nematodes. [5 Marks]
6. Explain the significance of cyst formation in protozoa. [5 Marks]

**SECTION B [40 MARKS]**

7. (a) Describe the mechanism of feeding in protozoa. [10 Marks]  
(b) Describe the economic importance of protozoa. [10 Marks]
  8. Give a detailed account of reproduction in sponges. [20 Marks]
  9. Discuss features that make nematodes more advanced than flatworms. [20 Marks]
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