

RESIT/ SPECIAL EXAMS: BIOLOGY

ZOOL 101: Lower invertebrates. Resit/special exam

Stream Bsc, BEd SCi Y1S1

Time;2 Hours

Instructions

- Answer all questions in section A and any Two in section B
- Do not write anything on the question paper

Section A (30marks)

1. Distinguish between polyp and medusa forms of cnidaria (4mks)
- 2 Outline five characteristics of nematoda (5 mks)
- 3 With examples name three morphological forms of sponges (6 mks)
4. Explain briefly mechanism of feeding in flat worms (5 mks)
5. Citing examples of organisms, state the function of the following structures; (5 mks)
a) oral groove b) pellicle c) pedal disc d) cnidocyte e) choanocyte
6. Illustrate the general structure of a ctenophore (5 mks)

Section B (40Marks)

- 7a) Describe the structures used for locomotion in protozoa (10 mks)
b) Describe the mechanism of locomotion in cnidaria (10mks)
- 8 a) Using examples describe the classification of Porifera (15 mks)
b) explain the ecological value of Poriferans (5 mks)
9. Discuss Adaptations of parasitic flatworms (10 mks)
b) Explain the mechanism of excretion in round worms (10 mks)