



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
INSTITUTIONAL BASED PROGRAMME (IBP) – DECEMBER SESSION
EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SZL 201: INVERTEBRATE ZOOLOGY

DATE: WEDNESDAY, 2ND MAY 2012

TIME: 8.00 A.M – 10.00 A.M

INSTRUCTIONS:

Answer ALL Questions in SECTION A and any ONE Question I SECTION B. Within a Section questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer ALL Questions (40 marks)

- Q.1) Explain briefly how sessile invertebrates living in fast flowing rivers obtain their food.
- Q.2) Describe the reproductive mechanisms of turbellarians.
- Q.3) State the unique characteristics of the nematodes in the class phasmidia.
- Q.4) Explain briefly why Acrasiomycota are classified as animals.
- Q.5) Outline five characteristics common to myriapods and insects.
- Q.6) State the roles played by micronucleus and macronucleus in ciliates.
- Q.7) Describe the cleavage pattern commonly associated with protostomes.
- Q.8) Differentiate between a polypoid and medusoid.

SECTION B – Answer any ONE Question (30 marks)

- Q.9) Write an essay on zoomastigina.
- Q.10) Discuss the adaptations of sessile invertebrates to marine environments.
- Q.11) Give a Comparative account of the morphological and anatomical features of the classes in the phylum Annelida.