



KIBABII UNIVERSITY COLLEGE
(A Constituent College of Masinde Muliro University of Science
Technology)
P.O. Box 1699-50200 Bungoma, Kenya
Tel. 020-2028660/0708-085934/0734-831729
Knowledge for Development

UNIVERSITY REGULAR EXAMINATIONS
1ST YEAR 2ND SEMESTER 2013/ 2014 ACADEMIC YEAR
(MAIN EXAMINATION)

FOR THE BACHELOR DEGREE IN SCIENCE EDUCATION

COURSE CODE: ESM 113

COURSE TITLE: SURVEY OF THE ANIMAL KINGDOM

DATE:

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

- Answer Question ONE 1 and any other THREE 3 questions

Question one

1. a) What are the unique features of the phylum Arthropoda? (5 marks)
- b) What are the main features of the phylum Porifera? (5 marks)
- c) Explain the following terms as used in ecology: (4 marks)
- i) Metamerism
- ii) Coelom
- d) With examples, explain the various types of symmetries found in animals. (6 marks)
- e) How do aquatic Arthropods carry out gaseous exchange? (5 marks)

Question two

What are the characteristics of the phylum Mollusca and their unique features? (15 marks)

Question three

State and explain the SIX most important characteristic of phylum Chordata. (15 marks)

Question four

Using an illustration, what is a Phylogenetic Tree of major animal phylum? (15 marks)

Question five

With examples, give the THREE classes of Phylum Coelenterata. (15 marks)

Question six

What are the physiological adaptations of phylum Aschelminthes? (15 marks)