



SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL CONSERVATION AND NATURAL RESOURCE MANAGEMENT, BACHEOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT, BACHELOR OF SCINECE IN DRYLAND ANIMAL SCIENCE AND BACHELOR OF SCIENCE IN AGRICULTURE

DAS 107: GENERAL ZOOLOGY

DATE: 13TH APRIL, 2017 TIME: 10.30-12.30 P.M

INSTRUCTIONS TO CANDIDATES

- (a) Answer ALL the Questions in Section A**
 - (b) Answer ANY TWO Questions in Section B**
 - (c) Illustrate your answers with well labeled diagrams where appropriate**
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SECTION A (30 Marks)

1. Name **three** protozoans and the diseases they cause. **(3 Marks)**
 2. State **two** economic importance of sponges. **(2 Marks)**
 3. Explain the symbiotic relationship between coral and other marine organisms. **(4 Marks)**
 4. State **three** general characteristics of annelids. **(3 Marks)**
 5. State **four** sensory organs found in molluscs. **(4 Marks)**
 6. Giving an appropriate phyla where each occurs, define the following terms:
 - (a) Metamerism **(1.5 Marks)**
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(b) Strobilization(1.5 Marks)

7. Explain **one** characteristic that the phylum echinodermata shares with the chordates (2 Marks)
8. Name **two** organs in chondrichthyes where red blood cells are manufactured.(2 Marks)
9. Explain **three** theories that describe the extinction of dinosaurs.(3 Marks)
10. List **four** characteristics that distinguish mammals from other amniotes.(4 Marks)

SECTION B (40 Marks)

11. Discuss the economic importance of fishes. (20 Marks)
12. Discuss the success of platyhelminthes as obligate endoparasites. (20 Marks)
13. Give a detailed account of the basic skeletal features in birds in relation to flight. (20 Marks)
14. Discuss:
 - (a) Factors that threaten corals. (10 Marks)
 - (b) Conservation of corals. (10 Marks)