



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2016/2017**

### **FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF BACHELOR OF SCIENCE IN BIOLOGY AND BACHELOR EDUCATION (SCIENCE)**

#### **SBL 406: ENTOMOLOGY II**

**6<sup>TH</sup> DECEMBER, 2016**

**TIME: 1.30-3.30 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

#### **SECTION A(30 marks)**

1. Briefly describe the major pests. **(3 marks)**
2. State aspects that must be known when designing a biological control programme. **(3 marks)**
3. Describe the breeding places of *Anopheles* species and give two examples of parasites they transmit. **(3 marks)**
4. Explain why insect larvae and nymphs are of ecological importance. **(3 marks)**
5. Giving examples, explain the importance of sandflies to man. **(3 marks)**

6. Briefly describe the injury caused by coffee berry borer. (3 marks)
7. Name **three** species of cotton bollworms.(3 marks)
8. Explain **three** control measures of the maize pest, *Spodoptera exempta*. (3 marks)
9. Briefly explain the meaning of “Integrated Pest Management” (3 marks)
10. State **one** advantage and disadvantage of insect pest species interactions with other organisms. (3 marks)

**SECTION B(40 marks)**

11. Describe the processes of pest assessment and forecasting. (20 marks)
12. Give an account of poultry insect pests. (20 marks)
13. Discuss the causes of pest outbreaks. (20 marks)
14. The world would be a better place to live without insects. Discuss. (20 marks)