



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE FOOD SECURITY
3RD YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR
REGULAR

COURSE CODE APT 3315

COURSE TITLE: ENTOMOLOGY AND FOOD PRODUCTION

STREAM: BSc FOOD SECURITY

EXAM VENUE:LR 4

EXAM SESSION: 9.00 – 11.00 am

DATE:14/12/17

TIME: 2HOURS

INSTRUCTIONS

- 1. Answer ALL questions in section A and ANY other two questions in section B**
- 2. Candidates are advised to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A 30 Marks

1. Describe the five branches of entomology (10 marks)
2. Define the following terms using examples
 - (a) Integrated pest management (3 marks)
 - (b) Entomophagy (3marks)
 - (c) Apiculture (3 marks)
3. Describe the fall army worm under the following topics
 - (a) Life cycle (3 marks)
 - (b) Damage caused (3marks)
 - (c) Control measures (3marks)
5. Briefly explain the following terms as used in black soldier fly farming.
 - (a) Open farming system (3 marks)
 - (b) Captive production systems (3marks)
 - (c) Neonates (3marks)

SECTION B 40 MARKS Answer any two questions

4. Discuss the economic importance of insects. (20 marks)
5. Discuss the advantages and disadvantages of rearing crickets under the bucket and pen system. (20 marks).
6. Describe the principles of pest control under the following topics (20 marks)
 - (a) Cultural control
 - (b) Chemical control
 - (c) Biological control