



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION AND EXTENSION

COURSE CODE: SZL 424

COURSE TITLE: APPLIED ENTOMOLOGY

DATE: 16/10/2018

TIME: 3:00 -5:00 p.m.

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** [1] and **ANY** other **TWO** [2] questions

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



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1. (a) List **three phagostimulants** of vectors (3mks)
(b) Explain **three ecological** effects of organochlorines to the environment (6mks).
(c) List **four features** of the organophosphates. (4mks)
(d) Outline **three principles** of cultural methods of pests control. (3 mks)
(e) State **four types** of inorganic pesticides. (4 mks)
(f) Differentiate between **biological** and **genetic** transmission of vectors. (4mks).
(g) State effects of **three field pests** of legumes (6mks).
2. (a) Classify pests based on their **number of generations** (3 mks)
(b) Describe damaging effects of **three storage pests** of cereals (9mks)
(c) Explain four **physical measures** adopted in pests control (8mks)
3. (i) Explain methods adopted in the control of *Glossina spp* (6mks).
(ii) Describe the insect vectors of **medical importance** (14 mks)
4. Categorize pesticides based on their **mode of action** (20mks)
5. (a) Describe the **five types of third generation** pesticides (10 mks)
(b) Outline four morphological features of *Stomoxys calcitrans* (4mks)
(c) Describe the **damaging effects** of: (6mks)
 - (i) *Maruca testulalis*
 - (ii) *Aphis fabae*