



# **UNIVERSITY OF EMBU**

**2019/2020 ACADEMIC YEAR**

**SUPPLEMENTARY/SPECIAL EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE  
GENERAL**

**ACP 202: AGRICULTURA ENTOMOLOGY**

**DATE: OCTOBER 26, 2020**

**TIME: 8:30 AM – 10:30 AM**

**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Question**

**QUESTION ONE (30 MARKS)**

- a) Differentiate between diplopoda and chilopoda (5 marks)
- b) Outline the distinguishing features of class insecta from other arthropods. (5 marks)
- c) Describe the various modifications of insect wings (5 marks)
- d) What are beneficial insects. (5 marks)
- e) Describe metamorphosis in insects (5 marks)
- f) Explain why insects are successful. (5 marks)

**QUESTION TWO (20 MARKS)**

- a) Describe the general characteristics of arthropods. (8 marks)
- b) Discuss the disadvantages of using chemical method in the management of insects. (12 marks)

**QUESTION THREE (20 MARKS)**

- a) Discuss the various damages caused by insects on plants (8 marks)



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- b) Describe the various control measures taken for animal arthropod parasites (12 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain why it is important to use IPM (Integrated Pest Management) in the management of insects. (12 marks)
- b) Describe the various functions of the insect exoskeleton (8 marks)

**QUESTION FIVE (20 MARKS)**

- a) Discuss the harmful effects of parasites on animals (8 marks)
- b) Discuss the cultural methods of controlling insect pests. (12 marks)

