

Uganda Martyrs University

Faculty of Agriculture

Final Examination 2021-2022

Bachelors of Science in Agriculture Year Two
Bachelors of Science in Ecological Organic Agriculture Year Two

Module: BSAG 2111: Crop Protection BSEOA 2213: Crop Protection Ecology

Time: 09:30 am – 12:30 pm Date: Thursday 04th August 2022

Instructions:

- i. Attempt **FOUR Questions**
 - ii. Each question is 25 marks
 - iii. *Do not write anything on the question paper*
 - iv. *Time: Three hours*
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- 1 Selecting a banana pest; describe its life-cycle, nature of damage and control measures **25 marks**
- 2 a) Using suitable illustration, explain the life-cycle of a nematode **10 marks**
b) Discuss the control package of plant nematodes **15 marks**
- 3 Following the rules of binomial nomenclature, cite the English names and Scientific names of 13 common weeds **25 marks**
- 4 a) Citing five agricultural pests, outline their natural enemies **10 marks**
b) Contrast predator vs parasitoid vs natural enemy **15 marks**
- 5 Discuss the different biotic and abiotic constraints causing crop losses **25 marks**
- 6 a) Explain the importance of crop loss assessment **10 marks**
b) Outline the different types of pests and for each category, cite examples which infest crops **15 marks**
- 7 Explain the life-cycle, nature of damage and control package of any storage pest which affects beans **25 marks**
- 8 Discuss the different IPM strategies which can be used in the control of pests **25 marks**