

Uganda Martyrs University

Faculty of Agriculture

B. Agriculture II Semester I Final Exams: 2018/2019

Course Unit: PIIS 2101: Post Harvest Handling and Storage

Time: 09:30 am – 12:30 pm

Date: Monday, 3rd December, 2018

Instructions:

- i. Answer any **FOUR** Questions
 - ii. Each question is 25 marks
 - iii. *Do not write anything on a question paper*
 - iv. *Time: Three hours*
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1. a) How is a maize warehouse managed? (15 Marks)
b) Discuss the different pests found in a warehouse and the damages that they cause? (10 Marks)
2. a) Quality control is of great importance to the post Harvest process. Discuss (15 Marks)
b) Why is sanitation important during the post harvest process? (10 Marks)
3. a) How is the maturity of a crop determined? (10 Marks)
b) How does the process of spoilage start and how can it be averted? (15Marks)
4. a) Describe the different methods used during harvesting? (15Marks)
b) Discuss different types of losses incurred during post harvest? (10 Marks)
5. Compare and contrast indigenous and modern post harvest technologies. (25Marks)
6. Discuss the various post harvest pests that occur at the different stages of the food pipeline. (25Marks)
7. Describe the different methods that can be used to measure food security at:
a) Individual level(10 Marks)
b) Household level (15Marks)
8. a) Discuss the steps of action in a harvesting plan. (15 marks)
b) Which tools can one use for harvesting after setting a plan? (10 marks)