

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN AGRICULTURE

AGRI 0311: POST-HARVEST TECHNOLOGY OF CROPS

STREAMS: DIP. AGRI (Y3S2)

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- Answer **ALL** questions in **Section A** and any other **Two** questions in **Section B**

SECTION A (TOTAL 40 marks)

- 1a. Briefly explain the reasons for Postharvest Technology. (6 marks)
b. Differentiate between Losses and damage. (4 marks)
2. Define the term maturity and the types that exist. (10 marks)
- 3a. Briefly explain why it is important to dry grains. (5 marks)
b. What is Storage and why is it important? (6 marks)
- 4 a. Briefly explain types of traditional storage structures (5 marks)
b. Elaborate how post-harvest losses can be minimised (4 marks)

SECTION B (TOTAL 30 marks)

5. a. Discuss the main stages in the postharvest system (10 marks)
b. What are the main causes of post-harvest losses for Agricultural produce (5 marks)

6 Write brief notes on the following topics

- a. Common storage pests that affect agricultural produce and their symptoms (10 marks)
- b. Methods used to control these pests. (5 marks)

7a Discuss the main factors affecting post-harvest losses. (10 marks)

- b. Explain how tray driers operate. (5 marks)
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