



**Strathmore**  
UNIVERSITY

**STRATHMORE BUSINESS SCHOOL**

MASTER OF MANAGEMENT IN AGRIBUSINESS

**END OF SEMESTER EXAMINATION**

**MMA 8110: AGRO-INDUSTRY VALUE CHAIN & POST HARVEST MANAGEMENT**

**Date:** Thursday, 10<sup>th</sup> November 2022

**Time:** 3 Hours

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**Instructions**

1. This examination consists of **FIVE** questions.
2. Answer **QUESTION ONE** and **ANY OTHER THREE** questions.
3. Be precise and concise as possible

**Question 1 (Compulsory) (20 marks)**

Mwea Rice Growers Multipurpose Co-operative Society is planning to invest in a new rice mill with the capacity to process 15,000 Metric Tons (MT) of milled rice per annum. Please calculate the quantity of paddy that will be required. In addition, let the management of this company know the number of hectares and the quantity of seed that will be required to ensure that the mill operates at full capacity.

**Key data**

- a) Rice milling yield: 65%
- b) Paddy yield (from certified seed): 5 Metric Tons
- c) Seed rate: 12.5 kg per hectare for all types of seed using System of Rice Intensification (SRI)

**Question 2 (10 marks)**

Discuss the pros and cons of building localized or short supply chains in the agri-food industry with the aid of an example.

**Question 3 (10 marks)**

Show or demonstrate how your country can use the concepts of value chains, clusters, trade corridors, and agro-industrial parks to develop agro-industries.

**Question 4 (10 marks)**

With the aid of a practical example, explain or discuss how a food balance sheet can help manage and plan for food production and food trade in Africa.

**Question 5 (10 Marks)**

Discuss the process of analyzing and upgrading agri-food value chains.