

UGANDA MARTYRS



UNIVERSITY

**FACULTY OF AGRICULTURE
NGETTA CAMPUS
END OF YEAR ONE SEMESTER I EXAMINATION 2023
DIPLOMA IN CROP PRODUCTION MANAGEMENT
COURSE CODE; DCPM2106 POST HARVEST MANAGEMNT
DATE:12th/DEC/2023
TIME: 2:00pm-5:00pm
DURATION: 3 HOURS**

INSTRUCTIONS:

- *Attempt **four (4)** questions*
 - *Start every question on a **new** page*
 - *Do not write anything on the question paper*
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1a. As a student who studied post-harvest management at diploma level, explain when post-harvest period starts and end. **(5marks)**

1b. In post-harvest management we consider good agricultural and manufacturing practices to achieve the best and quality product. Discuss how sanitation and hygiene can be maintained in a processing unit. **(20marks)**

2a. You are an extension worker in a milk producing area. A milk van collecting the milk from the area is to be delayed for 24hours. What advice do you give to the farmers whose milk was to be collected? **(10 marks)**

2b. Explain the various causes of food deterioration in post-harvest management **(10marks)**

2c. State the key reasons to as why crops are dried after harvesting **(5marks)**

3a. Differentiate between following terms as used in value addition;

- i.** Aflatoxin and Mycotoxin in value addition **(5marks)**
- ii.** Primary processing and secondary processing **(5marks)**

- 3b.** A group student having the same goals, objectives and ideas invested in the various crop production (fruits and vegetables growing) but faces a challenge of products rejections and detention in the market during selling, Explain the reasons behind the above. **(15marks)**
- 4.** Giving a detailed account of different steps involved in the food processing, Explain how any product of choice can be added value. **(25marks)**
- 5a.** Explain the various methods of food preservation used in post-harvest management. **(10marks)**
- 5b.** Explain the possible causes of post-harvest losses as studied in post-harvest management. **(15marks)**
- 6.** Discuss the socio-economic factors influencing the post-harvest system in Uganda today. **(25marks)**
- 7a.** Explain the concept of value addition **(10marks)**
- 7b.** Discuss the quality standard operations/assurance in value addition **(15marks)**
- 8a.** Discuss the factors to consider before the establishment of a good storage structure in your community today **(15marks)**
- 8b.** Explain the advantages and disadvantages of packaging and packing as used in agro-product development **(10marks)**

GOOD LUCK & MERRY X-MASS