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UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
AGRICULTURAL EXTENSION

HO/OS/HP/CR/06/6: PRODUCE HERBS AND SPICES

DATE: APRIL 2023

TIME: 3HOURS

INSTRUCTIONS: Answer Question ONE and any other THREE questions.

QUESTION ONE (40 MARKS)

1. Differentiate between a herbs and spices. (2marks)
2. List THREE herbs and THREE spices produced in Kenya. (6marks)
3. Highlight FIVE factors that contributes to postharvest losses of herbs and spices. (5marks)
4. Highlight THREE herbs propagated through vegetative method of propagation. (3marks)
5. Highlight FIVE importance of herbs and spices production in Kenya. (5marks)
6. List three common pests in herbs in farm. (3marks)
7. Highlight FOUR importance of record keeping of herbs and spice. (4marks)
8. Enumerate five factors that affects the success of a propagating material of herbs and spices. (5marks).
9. You are a Horticultural Extension officer in Makueni County and you are called to advice farmers Association on the importance of maintaining field hygiene. Give FIVE reasons why they should maintain field hygiene. (5marks).
10. List two sources of pests affecting herbs in Kenya (2marks)

SECTION B (60MARKS)

11. a) Discuss FIVE postharvest handling practices of herbs and spices. (10marks)

- b) Highlight FIVE importance of processing herbs and spices. (5marks)
- c) State five parameters determining the quality of herbs and spices. (5marks)
12. a) A farmer in Nyeri County has been producing celery for export and he has been fetching good produce but from the past five years the production and sales of his celery has been declining. What might be the factors that contributed to the decline in his celery production? Discuss. (15marks)
- b) Highlight FIVE botanical characteristics of Celery. (5marks)
13. Discuss Rosemary under the following sub-headings:
- Agroecological requirements (8marks)
 - Propagation method (4marks)
 - Fertilizer requirements (4marks)
 - Disease management (4marks)
13. a) Discuss FIVE botanical classifications of herbs and spices. (10marks)
- b) List FIVE value added products of mints. (5marks)
- c) Highlight THREE varieties of garlic produced in Kenya. (3marks)
- c) List any TWO fungicides used to control fungal disease in herbs and spice production. (2marks)

