

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN HORTICULTURE

HORT 0343: BEVERAGES, MEDICINAL AND NUT CROPS

STREAMS: DIP. (HORT) Y3S2

TIME: 2 HOURS

DAY/DATE: TUESDAY 09/04/2024

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer question one and any other two questions

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

1. Briefly describe the following in Macadamia production:
 - a) Ecological growth requirements (5 marks)
 - b) Post-harvest handling process (5 marks)
 - c) *Macadamia tetraphylla* variety (2 marks)
2.
 - a) Briefly explain any two types of tea used in Kenya (4 marks)
 - b) Briefly explain the following in pyrethrum production:
 - i. Harvesting (4 marks)
 - ii. Cultural management practices (6 marks)
3.
 - a) Briefly explain the stepwise processing of cashew-nuts (6 marks)
 - b) Briefly advise coffee farmers on why they should adopt Batian coffee variety instead of SL 34 variety. (3 marks)
 - c) Briefly advise tea growers on the best features they should check when adopting a good mother bush for tea production. (5 marks)

SECTION B; ANSWER ANY TWO QUESTIONS (30 marks)

Question Four

- a) Discuss the wet method of coffee processing. (8 marks)
- b) Discuss the cultural/management practices carried out for a successful coconut orchard (7 marks)

Question Five

- a) Discuss the processing of cocoa (8 marks)
- b) Discuss the common pests of tea and their control (7marks)

Question Six

- a) Discuss the coffee parchment drying stages (8 marks)
 - b) Discuss the challenges facing macadamia production in Kenya (7 marks)
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