

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN AGRICULTURE RESOURCE AND RURAL DEVELOPMENT

HORT 0232: VEGETABLE PRODUCTION

STREAMS: DIP.HORT (Y2S1)

TIME: 2 HOURS

DAY/DATE: THURSDAY 25/03/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- *Answer question one and any other two questions*
- *Do not write anything on the question paper.*

SECTION A (30 MARKS) ANSWER ALL QUESTIONS

1. a) With respect to vegetable production, define the following terms,
 - (i) Olericulture (1 mark)
 - (ii) Vegetables (1 mark)
 - (iii) Exotic vegetables (1 mark)
 - (iv) Indigenous vegetables (1 mark)
 - (v) Nursery (1 mark)
 - (vi) Relay intercropping (1 mark)

b) Briefly describe any five (5) benefits of vegetables to the human diet (5 marks)

c) Briefly describe any five (5) reasons for premature seeding in cabbages (5 marks)
2. a) Briefly describe any three types of vegetable cropping system (3 marks)

b) Describe giving examples the classification of vegetables based on

temperature requirements

(4 marks)

c) As an olericulture specialist, briefly advise the farmers on the correct transplanting procedure.

(3 marks)

3. a) Briefly describe any seven (7) importance of vegetables. (7 mark)

b) Describe any four general characteristics of vegetables (4 marks)

c) Explain the different types of nurseries (3 marks)

SECTION B: (ANSWER ANY TWO QUESTIONS (30 AMRKS))

4. a) Discuss the environmental factors influencing vegetable production (9 marks)

b) Discuss any six (6) factors considered in selecting a site for nursery establishment

(6 marks)

5. a) Discuss any eight (8) routine operations to be carried out in the field after vegetable establishment.

(8 marks)

b) Discuss Cucurbit Mosaic Virus (CMV) in cucurbits and the methods of control

(7 marks)

6. a) Discuss any seven (7) challenges facing vegetable production in Kenya (7 marks)

b) Discuss the establishment and cultural practices of the cabbages

(8 marks)

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