

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE**

HORT 332: INDIGENOUS VEGETABLES

STREAMS: BSC. HORT Y3S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 04/12/2018

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- **The paper contains section A and B**
- **Answer all questions in section A and any two from section B**
- **Marks for each question are indicated in parenthesis ()**
- **Total marks = 70**

SECTION A (30 MARKS)

1. (a) Explain the factors that have limited the production of Cleome gynandra (spider plant) an African leafy vegetable. (5 marks)

(b) Describe topping in Amaranth. (2 marks)
2. (a) Describe crop husbandry in cucumber. (5 marks)

(b) Describe the harvesting of black night shades. (5 marks)
3. (a) Describe briefly how deflowering is done in spider plant. (3 marks)

(b) Describe the symptoms of damage and management of sweet potato weevil. (5 marks)
4. Explain briefly propagation and planting of Amaranth. (5 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

5. Describe how the following practices are carried out in Okra:
- (i) Fertilization (10 marks)
 - (ii) Harvesting (10 marks)
6. (i) Describe the main disorders that limit production of water melons. (14 marks)
- (ii) Describe the indicators that a farmer can use to identify a mature water melon. (6 marks)
7. (i) Discuss the different vegetable growing systems used in indigenous vegetable production. (12 marks)
- (ii) Describe the cultural operations that lead to optimal production of spider plant (Cleome gynandra). (8 marks)
-