

**THE KENYA NATIONAL EXAMINATIONS COUNCIL**

**DIPLOMA IN AGRICULTURE**

**MODULE III**

**CROP PRODUCTION III**

1. (a) Describe seedbed preparation for commercial pineapple growing (15marks)  
(b) State any five effects of delayed harvesting in carrots (5 marks)
  
2. (a) Discuss the economic importance of banana weevil (10 marks )  
(b) An investor is contemplating establishing a floricultural enterprise. Describe the factors to be considered. ( 10 marks)
  
3. Discuss post harvest handling of cut flowers to enhance vasselife. ( 20 marks)
  
4. Describe greenhouse tomato growing under the following headings:  
(a) Transplanting ; (6 marks)  
(b) Training; ( 6 marks)  
(c) Temperature and humidity management. (8 marks)
  
5. (a) Describe six pesticide application practice that would enhance compliance with maximum residue levels. (12 marks)  
(b) Discuss how environmental factors influence the quality of fresh produce after harvest (8 marks)
  
6. (a) Describe any four physiological disorders that occur in cauliflower. (8 marks)  
(b) State the advantages and disadvantages of air drying in produce preservation. ( 8 marks)  
(c ) Highlight the EUREGAP guidelines to ensure the safety and welfare of workers in a horticultural enterprise. (7 marks)
  
7. Describe the com wet milling process. (20 marks)

8. Describe vegetative propagation of passion fruits under the following sub-heading:
- i. Rootstock establishment; (8 marks)
  - ii. Grafting procedure. (12 marks)