



# MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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## University Examinations 2012/2013

SECOND YEAR, FIRST SEMESTER, EXAMINATION FOR DIPLOMA IN AGRICULTURE  
AND DIPLOMA IN AGRICULTURAL EDUCATION AND EXTENSION

### AGR 0222: HORTICULTURE PRODUCTION

DATE: DECEMBER 2012

TIME: 1 ½ HOURS

INSTRUCTIONS: Answer question *ONE* and any other *TWO* questions

#### QUESTION ONE – 30 MARKS

- (a) Discuss the importance of pruning in Mango trees. (5Marks)
- (b) Describe the characteristics of truck vegetable production. (5Marks)
- (c) Discuss the importance of horticulture in the Kenyan economy. (10Marks)
- (d) Explain how temperature can affect the quality of vegetables. (5Marks)
- (e) Discuss the post-harvesting practices carried out in cut flowers (5Marks)

#### QUESTION TWO – 15 MARKS

- (a) Describe the importance of crop rotation on horticultural crops. (5Marks)
- (b) Write short notes on the following areas of Avocado Production. (10Marks)
  - (i) Agro-ecological requirement
  - (ii) Causal agent of Avocado root rot
  - (iii) Symptoms
  - (iv) Control

#### QUESTION THREE – 15 MARKS

- (a) Describe the production of rose flowers on the following areas. (8Marks)
  - (i) State variety
  - (ii) Harvesting
  - (iii) Packaging

- (b) Explain the importance of light on the bulb formation of onions. (2Marks)  
(c) Differentiate between fresh fruit and dry fruits giving examples. (5Marks)

**QUESTION FOUR – 15 MARKS**

- (a) Describe the production of strawberry. (5Marks)  
(b) Outline the importance of Avocado production in relation to its nutrition value. (5Marks)  
(c) Explain horticulture therapy. (5Marks)

**QUESTION FIVE – 15 MARKS**

- (a) Describe the soil requirement of carrot production. (5 Marks)  
(b) Discuss the causes of fruit trees failure from bearing. (10Marks)