



# The Co-operative University of Kenya

**END OF SEMESTER EXAMINATION AUGUST -2018**

**EXAMINATION FOR THE DIPLOMA IN AGRIBUSINESS MANAGEMENT**

**(YR I SEM I)**

**UNIT CODE: DAFS 1103**

**UNIT TITLE: INTRODUCTION TO CROP PRODUCTION**

**DATE: 27<sup>TH</sup> AUGUST, 2018**

**TIME: 2:00 PM – 4:00 PM**

## **INSTRUCTIONS:**

- Answer question **ONE (compulsory)** and any other **TWO** questions

## **QUESTION ONE**

- (a) Define the following terms as used in crop production. (6 Marks)
- Seedbed
  - Primary cultivation
  - Pest
  - Weed
  - Pesticides
  - Herbicides
- (b) State **FOUR** main reasons for preparing a seedbed. (4 Marks)
- (c) Differentiate between sexual and asexual propagation. (2 Marks)
- (d) Discuss the economic importance of weeds. (10 Marks)
- (e) With relevant examples differentiate between organic and inorganic fertilizers. (4 Marks)
- (f) List down **FOUR** main methods of vegetative propagation. (4 Marks)

## **QUESTION TWO**

- (a) Discuss the cultural methods of plant pests control. (10 Marks)
- (b) Discuss the economic importance of pests. (10 Marks)

## **QUESTION THREE**

- (a) Outline the advantages and disadvantages of mechanical land preparation. (10 Marks)
- (b) (i) Differentiate between row planting and broadcasting. (4marks)
- (ii) State the advantages of row planting. (6 Marks)

## **QUESTION FOUR**

- (a) What is grafting (1 Mark)
- (b) Differentiate between a scion and a stock. (2 Marks)
- (c) Explain **SEVEN** reasons for grafting (7 Marks)
- (d) For each of the following crops name the storage organ used for propagation. (10 Marks)

<b>Name of crop</b>	<b>Storage organ used</b>
Onions	
Irish potatoes	
Sweet potatoes	
Pyrethrum	
Couch grass	

Sugar can Bananas Sisal Strawberry pineapples	
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**QUESTION FIVE**

(a) Write short notes on the following

- (i) Crop rotation (4 Marks)
- (ii) Biological control of pests (6 Marks)
- (iii) Factors that contribute to the competitive ability of weeds (6 Marks)
- (iv) Cultural methods of weed control (4 Marks)