

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE

HORT 235: ORGANIC PRODUCTION OF HORTICULTURAL CROPS

STREAMS: BSc HORT

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 31/3/2021
PM

11.30 AM –1.30

INSTRUCTIONS:

- Answer All Questions in Section one and Any other Two in Section II

SECTION 1 : ANSWER ALL QUESTIONS (30 MARKS)

Q.1. Briefly explain the opportunities and prospects for organic farming in Kenya. [7 Marks]

Q2.a). State four basic good agricultural practices that can help to ensure provision of clean surfaces under organic crop production. [4 Marks]

b). Briefly explain how farmers can minimize risks from application of organic manures. [4 Marks]

Q.3.a) Outline five practices that can be used to maintain and improve the health of the soil under organic farming. [5 Marks]

b). State three tillage and cultivation practices that should be enhanced under organic plant production systems. [3 Marks]

Q4. Outline the challenges that are faced by farmers who practice modern, intensive or industrial agriculture. [7 Marks]

SECTION II : ANSWER ANY TWO QUESTIONS (40 MARKS)

Q5a). What are good agricultural practices (GAPs)? Discuss the primary components of GAPs. [10 Marks]

b) Discuss reasons why natural pest control is preferable to pesticide use. [10 Marks]

Q6.a) Farmers should be encouraged to adopt organic farming because it provides long-term benefits to people and the environment. Discuss the merits of converting to an organic production system. [12 Marks]

b). Discuss the practices that farmers can use to maintain and improve the health of the soil in organic farming systems. [8 Marks]

Q7.a) Discuss the main Production Constraints in organic agriculture. [12 Marks]

b). Discuss the mechanical and physical weed control practices used on organic farms. [8 Marks]

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