



EMBU UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

TRIMESTER EXAMINATION 2013/2014

**SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN MANAGEMENT OF AGROECOSYSTEMS AND ENVIRONMENT**

AEM 204: ORGANIC FARMING

DATE: AUGUST 8, 2014

TIME: 8.30 – 10.30AM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

- a) State six benefits of soil organic matter in organic fertility management (6 marks)
- b) State five sources of nitrogen in organic farming (5 marks)
- c) Describe the procedure of making Tithonia Tea (5 marks)
- d) Discuss the use of Neem in organic farming (8 marks)
- e) Outline the guidelines for organic plant breeding (6 marks)

QUESTION TWO

- a) Describe the principles of organic farming (8 marks)
- b) Based on the principles of organic farming design a sustainable organic livestock farm (12 marks)

QUESTION THREE

- a) Write explanatory notes on the following concepts in the context of organic farming
- b) Green manures (6 marks)
- c) Integrated pest management (6 marks)
- d) Crop rotation (8 marks)

QUESTION FOUR

- a) Write explanatory notes on the following in organic marketing
- b) Processing (8 marks)
- c) Policy requirements (7 marks)
- d) Areas covered by the IFOAM standard (5 marks)

QUESTION FIVE

- a) Describe the benefits of organic farming (10 marks)
- b) Livestock manures in organic farming (10 marks)

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