



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2017/2018

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR
THE DEGREE OF BACHELOR OF EDUCATION ARTS WITH
INFORMATION TECHNOLOGY**

MAIN CAMPUS

ECT 336: METHODS IN AGRICULTURE

Date: 13th February, 2018

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer Question ONE (Compulsory) and any other THREE.
- Question One carries 25 marks the rest carry 15 marks each



QUESTION ONE

- a) Write a “specific instructional objective” for the topic “Weather Patterns”, and explain why you think it is a good objective. (5mks)
- b) Differentiate between introductory activities and concluding activities during practical lessons in Agriculture, using examples to clarify your answer. (6mks)
- c) Describe a project you would carry out with Form Three students to teach them the link between classroom learning and income generation. (10mks)
- d) Explain two reasons why theory lessons in agriculture must be followed by practical lessons. (4mks)

QUESTION TWO

- a) Describe three innovative methods and strategies used in teaching Agriculture. (6mks)
- b) Analyze the advantages and constraints of using one of these methods for teaching agriculture in your school. Use examples to illustrate your answers. (9mks)

QUESTION THREE

Highlight the development of Agricultural education in Kenya, with special focus on the phase of expansion (1968-1980), and the phase of decline (1980-1990). (15mks)

QUESTION FOUR

Prepare a forty minute theory lesson plan and an 80 minute subsequent practical lesson plan under the broad topic “Nursery Practices” to your Form Two class. (15mks)

QUESTION FIVE

- a) Explain why Bloom’s Taxonomy of Educational Objectives is important to setting valid and reliable examinations. (3 mks)
- b) Create a 5-item Continuous Assessment Test to evaluate learning in the topic “Livestock Health”, showing progression in the cognitive domain of Bloom’s Taxonomy. (12 mks)

QUESTION SIX

- a) With the use of examples, argue the case for and against use of realia as learning resources in agriculture lessons. (12mks)
- b) What criteria would you use to evaluate the success of use of a three dimensional model in the lesson? (3mks)

