



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

THIRD YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR OF
SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

ECT 330: AGRICULTURE METHODS

DATE: 29/11/2016

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

- i. Do not write on the question paper.*
- ii. Mobile phones, computers and apple pads are not permitted in the examination rooms.*

QUESTION ONE (30MKS)

- a) One of the objectives of teaching agriculture in Kenya's secondary schools is to "Create an interest and awareness of the opportunities existing in agriculture"
 - i) Explain any one reason for the objective. (2 marks)
 - ii) Explain any four teaching/learning activities or methodologies which a teacher of agriculture may carry out with students in order to achieve the objective. (4 marks)
- b) Explain the strategies of establishing and implementing Young Farmers Club in the School for effective teaching of agriculture. (6 marks)
- c) Explain any four the features of a good lesson plan in agriculture. (6 marks)

- d) Outline the procedure of using problem solving as a method in teaching agriculture. (6 marks)
- e) Explain the steps which a teacher of agriculture may follow in setting up farm buildings in the school. (6 marks)

SECTION B (40MKS) ANSWER ANY TWO QUESTIONS

QUESTION TWO (20MKS)

- a) Explain the procedure of establishing the School farm for teaching purposes. (10 marks)
- b) Explain essential teacher attitudes which a teacher of agriculture may adopt for effective classroom management. (10 marks)

QUESTION THREE (20MKS)

A teacher of agriculture chose a demonstration method in order to teach a lesson topic “Clean Milk Production” to a Form 4 Class.

- a) Explain four reasons which might have influenced the teacher’s choice of the method. (6 marks)
- b) Explain the procedure the teacher would follow in conducting the lesson. (14 marks)

QUESTION FOUR (20MKS)

- a) Explain the steps which a teacher of agriculture may follow in order to conduct a field visit as a method of teaching agriculture. (10 marks)
- b) Explain the procedure of good questioning techniques in lesson presentation. (10 marks)

QUESTION FIVE (20MKS)

- a. Explain the strategies of establishing an acceptable agriculture project in the school. (10 marks)
- b. Explain any five values of praising or reinforcing the learners responses during lesson presentation. (10 marks)