



MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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University Examinations 2010/2011

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR DIPLOMA IN AGRICULTURAL
EDUCATION AND EXTENSION

EDU 0282: METHODS OF TEACHING AGRICULTURE

DATE: APRIL 2011

TIME: 1½ HOURS

INSTRUCTIONS: Answer Question *one* which is Compulsory and any other *two* questions

QUESTION ONE – (30 MARKS)

- (a) Distinguish between:
- (i) A teaching unit and a teaching plan
 - (ii) Expository and heuristic approaches
 - (iii) Teaching method and teaching techniques
 - (iv) Formative evaluation and summative evaluation. (10 Marks)
- (b) (i) Classify the following method based on the nature of the content: (3 Marks)
- Lecture/explanation
 - Demonstration
 - Discussion
 - Field trip
 - Project
 - Assignments
- (ii) State the factors a teacher must consider when choosing a method of instruction. (4 Marks)
- (iii) Outline how an agriculture teacher should present a discussion lesson. (3 Marks)
- (iv) List any six topics from the KCSE agriculture syllabus that can be taught using the practical method. (3 Marks)
- (v) Outline any six reasons for choosing to use a Field Trip in the teaching of Agriculture. (3 Marks)

(vi) When can set induction be used during the lesson? (4 Marks)

QUESTION TWO – (15 MARKS)

- (a) Explain briefly eight (8) qualities that an agriculture teacher should possess that contribute to the effective teaching of agriculture. (8 Marks)
- (b) Briefly discuss the major contents areas in a scheme of work preparation. (7 Marks)

QUESTION THREE – (15 MARKS)

- (a) Describe the ways in which an agriculture teacher can maintain class motivation and attention. (10 Marks)
- (b) State four types of sources from which an agriculture teacher may obtain appropriate materials (resources) for teaching agriculture. (5 Marks)

QUESTION FOUR – (15 MARKS)

- (a) When can a teacher use the lecture method? (5 Marks)
- (b) Discuss ways in which the lecture method can be improved in secondary school teaching. (5 Marks)
- (c) What are the purposes of asking questions? (5 Marks)

QUESTION FIVE – (15 MARKS)

- (a) Briefly describe how to present a lesson using demonstration method. (5 Marks)
- (b) Discuss the steps a teacher could use to establish a YFC in a secondary school. (6 Marks)
- (c) Briefly discuss the problems associated with the teaching of agriculture in secondary schools. (4 Marks)