



MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF AGRICULTURE & NATURAL RESOURCES MANAGEMENT

Agricultural Education & Extension Department

AUGUST HOLIDAY EXAMINATION FOR: BED SCIENCE YEAR THREE

ECT 330: TEACHING METHODS IN AGRICULTURE.

Date:

Time:

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

Question 1 (30 marks)

- a) i) Define the term 'objective' in relevance to agriculture learning (2 mark)
- ii) Explain **twelve** general objectives of secondary school agriculture in Kenya (12 marks)
- b) i) Explain **four** aspects by which learning objectives facilitate effective learning of agriculture? (4 marks)
- ii) Discuss **six** problems faced by the agriculture teachers in facilitating the learning of agriculture in secondary schools (12 marks)

Question 2 (20 marks)

- a) State **five** administrative and **five** professional responsibilities of an agriculture teacher (10 marks)
- b) Explain **five** qualities of an agriculture teacher (10 marks)

Question 3 (20 marks)

- a) i) Distinguish between a **resource**, a **facility** and a **teaching method** in teaching agriculture education giving one example in each (6 marks)
- ii) Explain **three** possible sources of teaching and learning resources in agriculture (6 marks)

Question 4 (20 marks)

- a) Explain **five** characteristics of an effective teaching / learning resources. (10 marks)
- b) Explain **five** methods of selecting and utilizing resources in teaching agriculture (10 marks)

Question 5 (20 marks)

- 5. a) Explain **four** principles used to translate agricultural education syllabus into a teaching material (8 marks)
- b) Explain **seven** importance's of lesson planning to a teacher (7 marks)
- c) Explain **five** points considered in scheming an agriculture lesson (5 marks)