



# MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

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

AEE 221: PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE: 31/5/2017

TIME: 2 HOURS

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**Instructions:**

- i. Answer Question ONE and ANY other Two Questions*
- ii. Do not write on the question paper.*
- iii. Mobile phones, computers and apple pads are not permitted in the examination rooms.*

**SECTION A COMPULSORY**

**QUESTION ONE (30 MARKS)**

- a)
  - i. Explain two ways in which the objective to demonstrate that agriculture is a profitable and dignified occupation can be implemented in a school (3 marks)
  - ii. Explain two reasons why the principle of readiness is considered essential in facilitating learning. (3 marks)
  - iii. Give a reason why the society expects a teacher to be of good moral conduct (2 marks)
  - iv. Give a way in which the principle of rewarding or reinforcing behavior to a student is essential in teaching. (2 marks)

- b) i. Give two reasons why a learner should master creative ability in a learning situation. (2 marks)
- ii. Explain any four reasons why teaching is an art. (4 marks)
- iii. Explain two situations which create a barrier in the learning process (4 marks)
- c) i. Explain any two ways in which learning may be promoted when teaching adults in extension (4 marks)
- ii. Give reasons why experiential knowledge should be promoted in the teaching of agriculture. (2 marks)
- iii. Outline four purposes of agricultural education (4 marks)

**SECTION B ANSWER ANY TWO QUESTIONS 40 MARKS**

**QUESTION TWO (20 MARKS)**

- a) Explain any five principles which a teacher of agriculture may adapt for effective teaching of the subject. (10 marks)
- b) Explain any five attributes expected from a teacher of agriculture. (10 marks)

**QUESTION THREE (20 MARKS)**

- a) Explain any five outstanding qualities of a good instructor. (10 marks)
- b) Explain any five characteristics of learning. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Outline the reasons why the school farm may be considered as a laboratory. (10 marks)
- b) Explain any five approaches to practical instruction in agriculture. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Outline any five vocational agriculture objectives which have promoted the teaching of agriculture in schools. (10 marks)
- b) Explain any five ways in which an agricultural extension officer may stimulate the farmers interest in learning agricultural skills. (10 marks)