



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 221 PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE: 10/12/2019

TIME: 2:00 – 4:00 PM

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## INSTRUCTIONS:

- i. Answer Question ONE and ANY other Two Questions
- ii. Do not write on the question paper.

### QUESTION ONE (30 MARKS)

- a)
  - i) Explain any four reasons why the teaching of agriculture may be considered as an art (6 marks)
  - ii) Explain four approaches which an agriculture teacher may adopt in order to promote effective teaching and learning. (6 marks)
  - iii) Explain four reasons why the principle of inquiry is appropriate in classroom instruction. (6 marks)
- b)
  - i) Explain any four ways in which school climate may promote learning and teaching in a school. (6 marks)
  - ii) Explain four reasons for evaluating agricultural instruction in a school. (6 marks)

### QUESTION TWO (20 MARKS)

- a) Explain any five approaches to practical instruction of agriculture in a secondary school. (10 marks)
- b) Differentiate between experimental learners and theorizing learners (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) Explain five reasons why an agricultural extension officer must consider the farmers needs in order to promote learning. (10 marks)
- b) Explain five ways in which reinforcing correct behavior leads to effective learning. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain the features of progressive and democratic approaches to teaching and learning. (10 marks)
- b) Explain any five teacher related factors that may influence the classroom learning atmosphere. (10 marks)