



# MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 221 PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE:

TIME:

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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 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) Explain 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 a reason why experiential knowledge should be promoted in the teaching of agriculture. (2 marks)
  - iii) Differentiate between reflective and theorizing learners (4 marks)

**SECTION B Answer Any Two Questions 40 MARKS**

**QUESTION TWO (20 MARKS)**

- a) Explain any five advantages of methodology course for teachers of agriculture. (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)**

Explain the approaches to practical teaching of agriculture in secondary schools. (20 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain 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)