



MACHAKOS UNIVERSITY
University Examinations (2024/2025 Academic Year)
SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES
DEPARTMENT OF AGRICULTURAL SCIENCES

YEAR TWO: UNIVERSITY EXAMINATIONS FOR
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION
AND BACHELOR OF EDUCATION SCIENCE

AEE 221 PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE: _____ **TIME:** _____

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 30MARKS

QUESTION ONE (30 MARKS)

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

SECTION B ANSWER ANY TWO QUESTIONS 40 MARKS

QUESTION TWO

a) Explain any five approaches to practical instruction of agriculture in a secondary school. **(10Marks)**

b) Give any five differences between experimental learners and theorizing learners. **(10Marks)**

QUESTION THREE

a) Explain any five outstanding qualities of a good instructor. **(10Marks)**

b) Give any five characteristics of learning **(10Marks)**

QUESTION FOUR

a) Give any five reasons why an agricultural extension officer must consider the farmers needs in order to promote learning. **(10Marks)**

b) In which any five ways would reinforcing correct behavior lead to effective learning. **(10Marks)**

QUESTION FIVE

a) Explain the features of progressive and democratic approaches to teaching and learning. **(10Marks).**

b) Give any five teacher related factors that may influence the classroom learning atmosphere. **(10Marks)**