



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SECOND THIRD YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 221 PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE: 21/01/2021

TIME: 2.00-4.00 PM

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 30 MARKS

QUESTION ONE

- a)
 - i Explain 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 social climate may promote teaching and learning in school. (6 marks)
 - ii Explain four reasons for evaluating agricultural instruction in a school. (6 marks)

SECTION B Answer Any Two Questions 40 MARKS

QUESTION TWO

- a) Explain five approaches to practical instruction of agriculture. (10 marks)
- b) Differentiate between experimental learners and theorizing learners. (10 marks)

QUESTION THREE

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

QUESTION FOUR

- a) Explain five ways in which understanding the farmers needs may promote learning in agricultural extension. (10 marks)
- b) Explain ways in which reinforcing correct behavior leads to effective learning. (10 marks)

QUESTION FIVE

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