



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION.

FIRST YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION
AEE 111/KCU 100 FUNDAMENTALS OF AGRICULTURAL EDUCATION AND
EXTENSION

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) Explain three foundational objectives of school agriculture in Kenya. (6 marks)
- b) Explain three reasons that contributed to failure in implementing effective school agriculture in Kenya in the colonial period. (6 marks)
- c) Differentiate between formal and non-formal agricultural education program. (4 marks)
- d) Explain the meaning of agricultural extension. (2 marks)
- e) Explain FOUR ways in which the teaching of agriculture may contribute to sustainable food security in the Kenya. (6 marks)
- f) Explain FOUR strategies to ensure that agriculture is not a dumping ground for academically weak students. (6 marks)

SECTION B Answer Any Two Questions 40 MARKS

QUESTION TWO (20 MARKS)

- a) Explain any five attributes of a teacher of agriculture for effective teaching subject. (10 marks)
- b) Explain any FIVE purposes of vocational agricultural education. (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain any five requirements for implementing the objective to transfer farm skills. (10 marks)
- b) A teacher of agriculture should have the abilities to plan for and maintain instructional facilities, explain any five of the abilities (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain five extension approaches which may facilitate agricultural development in the country. (10 marks)
- b) Outline FIVE strategies of establishing agricultural program in the school. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Explain FIVE ways in which the 1924 Phelps-Stokes commission has influenced the teaching of agriculture in Kenya. (10 marks)
- b) Explain any FIVE ways of demonstrating that agriculture is business. (10 marks)