



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 111 FUNDAMENTALS OF AGRICULTURAL EDUCATION AND EXTENSION

DATE: 9/12/2019

TIME: 8:30 – 10:30 AM

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 (30 MARKS)

- a) Explain any three of the foundation objectives of school agriculture in Kenya. (6 marks)
- b) Explain three reasons which might have contributed to the failure to implement 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 any four strategies which can be implemented to avoid agriculture as a subject of study in schools not being seen as 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 that a teacher of agriculture should possess in order to promote effective teaching of the 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 any five extension approaches which may facilitate agricultural development in the country. (10 marks)
- b) Outline the 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 strategies which would demonstrate that agriculture is business. (10 marks)