



# MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

AEE 111 FUNDAMENTALS OF AGRICULTURAL EDUCATION AND EXTENSION

DATE: 15/6/2021

TIME: 2.00-4.00 PM

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## INSTRUCTIONS:

Answer *ALL* questions from Section A and any other *TWO* from Section B:

### SECTION A: COMPULSORY: (30 MARKS)

#### QUESTION ONE (30 MARKS)

- Explain any four values of agriculture in Kenya's secondary school curriculum. (6 marks)
- Explain four reasons which contribute to the failure to implement effective school agriculture program (6 marks)
- Differentiate between formal and non-formal agriculture education program. (4 marks)
- Explain the meaning of agricultural extension. (2 marks)
- Explain four ways in which the teaching of agriculture may contribute to sustainable food security in Kenya. (6 marks)
- Explain any four strategies which may influence an increase in the enrolment of students in agriculture in the secondary school. (6 marks)

### SECTION B Answer Any Two Questions 40 MARKS

#### QUESTION TWO (20 MARKS)

- Explain any five professional ethics that a teacher of agriculture should possess in order to promote effective teaching of the subject. (10 marks)
- Explain five objectives of vocational agricultural education (10 marks)

**QUESTION THREE (20 MARKS)**

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

**QUESTION FOUR (20 MARKS)**

- a) Outline the strategies which a teacher of agriculture should adopt in establishing a school agriculture program. (10 marks)
- b) Explain the Scope of Agricultural Extension Education. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain five objectives of agricultural extension (10 marks)
- b) Explain five ways in which the 1924 Phelps-Stokes commission has influenced the teaching of agriculture in Kenya. (10 marks)