



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

BACHELOR OF EDUCATION SCIENCE

BACHELOR OF EDUCATION (SPECIAL NEEDS)

AEE 111 FUNDAMENTALS OF AGRICULTURAL EDUCATION AND EXTENSION

DATE: _____

TIME: _____

INSTRUCTIONS:

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

SECTION A COMPULSORY (30 MARKS)

QUESTION ONE (30 MARKS)

- a) i. Explain any three ways in which agricultural education can be delivered? (3 marks)
- ii. Explain three reasons why school agriculture was resisted in the early colonial period in Kenya. (3 marks)
- b) i. Explain any three features of formal education. (3 marks)
- ii. Explain any three recommendations of the 1924 Phelps-Stokes Commission which has shaped the teaching of Agriculture in Kenya Schools. (3 marks)
- c) i. Explain the meaning of agricultural extension. (2 marks)
- ii. Explain any four factors which relates to commitment to teaching by a teacher of agriculture. (4 marks)
- d) i. Explain any three ways in which farmers can be facilitated to promote sustainable development. (3 marks)
- ii. Explain any three aspects of informal education. (3 marks)

- e) i. Explain three ways in which the teaching of agriculture may contribute to sustainable food security in the Kenya. (3 marks)
- ii. Give any three strategies which can be implemented to promote agriculture as a subject of equal value to other subjects in the school curriculum. (3 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

QUESTION TWO (20 MARKS)

- a) Explain any five foundation objectives that have guided the teaching of agricultural education and extension. (10 marks)
- b) Explain five purposes of the school farm in the teaching of agriculture. (10 marks)

QUESTION THREE (20MARKS)

- a) Explain the procedure for establishing a teaching farm in the school. (10 marks).
- b) Explain any five professional ethics which a teacher of agriculture should be aware on entry to teaching. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain any five the desirable competencies expected from a teacher of agriculture. (10 marks)
- b) Explain the role of agricultural extension in the promotion of agricultural production. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Explain any five objectives of the 1963 Vocational Education Act which serves as a guide to agricultural education (10 marks)
- b) Explain any five conditions which agriculture teaching project must meet in order to promote teaching and learning in agriculture. (10 marks)

