



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF AGRICULTURAL SCIENCES

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

AEE 221: PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

DATE:

TIME:

INSTRUCTION: Answer Question One (Compulsory) and Any Other Two Questions.

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) i) Explain any two ways through which agricultural education can be delivered. (2 marks)
- ii) Give any two objectives which may guide the teaching of agriculture in Secondary Schools in Kenya (2 marks)
- iii) Explain any two aspects of experience based learning. (2 marks)
- iv) Explain two features of principle of readiness in learning. (2 marks)
- b) i) Explain two benefits of rewarding a student who has succeeded in a learning task. (2 marks)
- ii) Which are the three components of agricultural education? (3 marks)
- iii) Explain any two features which reflects a teacher's commitment to successful teaching (2 marks)
- c) i) Explain the meaning of experience based learning in agriculture. (2 marks)
- ii) Explain a reason why the learner's readiness is important in lesson presentation (2 marks)
- iii) Explain any three desirable teacher abilities (3 marks)

- iv) Give any three ways of ensuring effective learning in agricultural extension (3 marks)
- d) i) Explain two reasons why the school farm is considered as a laboratory for teaching agriculture (2 marks)
- ii) Give any two advantages of projects in the teaching of agriculture (2 marks)
- iii) Explain any three guidance functions of evaluation in learning agriculture (3 marks)

QUESTION TWO (20 MARKS)

- a) Explain any five desirable abilities and competencies of a teacher of agriculture (10 marks)
- b) Explain any five administrative functions of evaluating learning in a class (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain any five professional ethics required of a teacher of agriculture. (10 marks)
- b) Outline the criteria of establishing a school farm for teaching and learning agriculture. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain five benefits of experience based learning in agriculture. (10 marks)
- b) Explain any five strategies of good teaching in agriculture. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Explain any five principles of learning. (10 marks)
- b) Explain any five administrative functions of evaluation (10 marks)

