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)