



# MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 323: SPECIAL METHODS OF TEACHING AGRICULTURE

DATE:

TIME:

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## INSTRUCTIONS;

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

### SECTION A:

#### QUESTION ONE COMPULSORY-(30 MARKS)

- a) Explain two ways which may illustrate that Secondary School agriculture is a dignified and relevant subject in the curriculum. (4 marks)
- b) Give an explanation how the principle of reward may contribute to effective instructional planning. (2 marks)
- c)
  - i) Differentiate between a syllabus and a lesson plan. (3 marks)
  - ii) Explain any two reasons for considering the situation analysis when constructing agriculture schemes of work (3 marks)
- d) Explain any four benefits of planning a lesson for class use in lesson presentation (6 marks)
- e) Explain any two reasons why expository approach is not ideal for teaching agriculture. (3 marks)
- f) Give any three conditions which may require a teacher of agriculture in a secondary school to use a lecture method in teaching. (3 marks)

- g) Explain any four reasons for using a field trip as a method of teaching agriculture (6 marks)

**SECTION B Answer Two any Questions (40marks)**

**QUESTION TWO (20 marks)**

- a) Explain five strategies of establishing an acceptable agriculture project in the school for teaching purposes. (10 marks)
- b) Explain any five reasons why administrators would require agriculture teaching Programme in the school to be evaluated. (10 marks)

**QUESTION THREE (20 MARKS)**

A teacher of agriculture planning to teach a lesson topic “Clean milk production: to a form III class choose a demonstration method.

- a) Explain any five reasons which might have influenced the teacher’s choice of the method. (10 marks)
- b) Outline the strategies which the teacher could adopt to make the demonstration more effective. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain any five safety and precautions which a teacher of agriculture may carry out with the students while conducting a practical lesson in the school farm. (10 marks)
- b) Explain any five teacher related factors which might influence classroom learning atmosphere. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain the guideline for good questioning techniques in lesson presentation (14 marks)
- b) Explain four fundamental guidelines for effective classroom management. (6 marks)