



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION.

FIRST YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 323: SPECIAL METHODS OF TEACHING AGRICULTURE

DATE: 21/01/2021

TIME: 2.00-4.00 PM

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## **INSTRUCTIONS:**

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

*Write your registration number and NOT your name on the answer booklets provided.*

### **SECTION A:**

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

- a) One of the objectives of teaching Secondary Schools is to demonstrate that farming is a dignified and profitable occupation, give any two reasons for this objective. (4 marks)
- b) Explain how the principle of structure may contribute to effective instructional planning. (2 marks)
- c)
  - i Differentiate between a syllabus and schemes of work. (3 marks)
  - ii) Explain any two reasons for considering the situation analysis when preparing the agriculture schemes of work (3 marks)
- d) Explain any four benefits of lesson planning (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 five safety and precautions while conducting a practical agriculture 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 possible question for teacher’s self -evaluation after conducting a lesson. (10 marks)
- b) Explain five benefits of being effective in implementation of agriculture teaching programmes. (10 marks)