

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE  
AGRICULTURAL EDUCATION

EDCI 344: METHODS OF TEACHING AGRICULTURE

STREAMS: BED (AGED)

DAY/DATE: TUESDAY 20/7/2021

TIME: 2 HOURS

5.00 P.M. – 7.00 P.M.

INSTRUCTIONS:

- Answer question ONE (Compulsory) and any other THREE questions
- Do not write anything on the question paper

1. (a) Explain six limitations of using demonstration method for teaching agriculture  
[6 marks]
  - (b) Explain the necessity of preparing a scheme of work [6 marks]
  - (c) Describe the micro-teaching process [7 marks]
  - (d) Explain six safety rules to be observed by students when working in the school farm [6 marks]
2. (a) Explain the school compound as a source of learning materials for agriculture [5 marks]
  - (b) Explain five learning materials/equipments in agriculture that can be improvised and their improvised options. [10 marks]
3. (a) Explain the following skills in teaching
    - (i) Set induction [4 marks]
    - (ii) Reinforcement [5 marks]
  - (b) Explain six factors to consider when preparing charts. [6 marks]
4. (a) Explain the significance of field trips in teaching agriculture [8 marks]
  - (b)
    - (i) Distinguish between expository and inquiry/discovery approaches in teaching [2 marks]
    - (ii) Explain five factors that guides a teacher in the choice of teaching method. [5 marks]

**EDCI 344**

5. (a) Explain the following responsibilities of an agriculture teacher.
- (i) Planning and maintaining instructional facilities [4 marks]
  - (ii) Coordinating departmental activities [3 marks]
- (b) Using the information provided, prepare a 40 minutes lesson plan that would be used to teach so that the stated objectives are achieved. [8 marks]

Information:

Lesson topic: Soil fertility

Objectives: Classify fertilizers, identify fertilizers, state properties of fertilizers

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