

CHUKA



UNIVERSITY

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**UNIVERSITY EXAMINATIONS**

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

**AGED 221: PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE**

**STREAMS: BSC (AGED)**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 10/12/2018**

**11.30 AM – 1.30 PM**

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**INSTRUCTIONS:**

**Answer Question One (Compulsory) and any other Three Questions**

1. (a) Explain the following types of learning  
    - (i) Operant conditioning [3 marks]
    - (ii) Simple non-associative learning [5 marks]
  - (b) Explain the main elements in the teaching/learning process. [6 marks]
  - (c) Explain constructionism theory of learning and its implication in the teaching of agriculture in secondary schools. [6 marks]
  - (d) Explain five factors to consider in the choice of teaching approaches and methods. [5 marks]
2. (a) Explain five principles of teaching. [10 marks]
  - (b) Examine the significance of learning theories to an agriculture teacher. [5 marks]
3. (a) Explain five strategies of sustaining interest in learning. [10 marks]
  - (b) Explain five techniques for development of motivation in class. [5 marks]
4. Discuss the five levels of the affective domain. [15 marks]

5. (a) Explain five factors to consider when grouping learners for effective group teaching. [5 marks]
- (b) Highlight five advantages of individual teaching. [5 marks]
- (c) Explain five characteristics of learner centred approaches. [5 marks]
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