

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION**

EDCI 341: METHODS OF TEACHING BIOLOGY

STREAMS: BSC AGED Y3S2 SB/PT

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 21/07/2021

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

Answer question one and any other three questions

1. (a) Differentiate between the following terminologies as used in teaching and learning of biology.
 - (i) Syllabus and scheme of work [4 marks]
 - (ii) Affective and psychomotor learning [2 marks]
 - (iii) Teaching approach and teaching technique [2 marks]
- (b) State six disadvantages of team teaching. [6 marks]
- (c) What are the five factors to consider when choosing a teaching method. [5 marks]
2. (a) Outline five characteristics of learner centered approach. [5 marks]
- (b) Explain participatory approach as used in teaching and learning of biology. [10 marks]
3. (a) Enumerate five benefits of using project method in teaching and learning of biology. [5 marks]
- (b) Explain five types of hazards in a biology laboratory. [10 marks]

4. (a) What are the five limitations of team teaching. [5 marks]
- (b) Explain six ways to ensure effectiveness of lecture method in teaching and learning of biology. [6 marks]
- (c) Highlight four benefits of preparing a lesson plan to a biology teacher. [4 marks]
5. Discuss the relevance of biology as a subject to attainment of National goals of education in Kenya. [15 marks]
-