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CHUKA



UNIVERSITY

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**SUPPLEMENTARY / SPECIAL EXAMINATIONS  
THIRD YEAR EXAMINATION FOR THE AWARD OF BACHELOR DEGREE IN  
AGED / EDUCATION SCIENCE**

**EDCI 341: METHODS OF TEACHING BIOLOGY**

**STREAMS: BSC(AGED) & BED(SCI) Y3 S2**

**TIME: 2**

**HOURS**

**DAY/DATE: MONDAY 16/11/2020**

**11.30 A.M - 1.30 P.M.**

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**INSTRUCTIONS:**

1. Differentiate between the following terminologies as used in teaching and learning of biology.
  - a)
    - i. Syllabus and scheme of work. (4marks)
    - ii. Affective and psychomotor learning. (2marks)
    - iii. Record of work and progress report. (2marks)
    - iv. Teaching approach and teaching method (2marks)
  - b) State six disadvantages of team teaching (6marks)
  - c) Give 3 factors consider when choosing a teaching method. (3marks)
  - d) Outline six advantages of peer teaching (6marks)

2. a) Outline five recommendations of Mackey commission on biology syllabus. (5marks)  
b) State three advantages of the Integrated biology syllabus. (3marks)  
c) Explain seven reasons why biology is considered useful in Secondary curriculum. (7marks)
3. a) Outline seven importance of preparing a lesson plan to a biology teacher. (7marks)  
b) explain four factors that affect learning of biology. (8marks)
4. a) State five criteria for selecting a realia in teaching and learning biology (5marks)  
b) Explain Fiveareas ofhazardsin a biology laboratory. (10marks)
5. Using relevant examples, discuss resources used in teaching and learning of biology (15 marks)
6. a) outline five characteristics of learner centered approach (5marks)  
b) Explain two main approaches used in teaching and learning of biology. (10 marks)

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