

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**THIRD YEAR EXAMINATION FOR THE AWARD OF  
DEGREE OF BACHELOR OF EARLY CHILDHOOD EDUCATION**

**ECDE 337: METHODS OF TEACHING ECDE SCIENCE AND ENVIRONMENTAL  
EDUCATION**

**STREAMS: BED ECDE**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 6 /07/ 2021**

**2.30 PM – 4.30 PM**

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**INSTRUCTIONS:**

- Answer question **One** (Compulsory) and any other **Two** questions.
- Do not write anything on the question paper

1. (a) Describe the static and dynamic vies of science citing the merits and the demerits  
in each case. [10

Marks]

(b) State five reason for the use of resources when teaching science. [5 Marks]

(c) Explain why it is important for a science teacher to be innovative and creative  
when teaching science activities at pre-school level of learning. [5

Marks]

(d) Identify a strand in science activities and make the following professional  
documents used for teaching: [10

Marks]

i) Scheme of Work

ii) Lesson plan

2. (a) Discuss the National goals of education and how science teaching is promoting their achievement. [10

Marks]

- (b) Explain the importance of science and environmental education to the society. [10 Marks]

3. (a) Describe five methods of teaching science, citing their advantages and disadvantages. [15

Marks]

- (b) Explain five microteaching skills relevant for trainee teacher as they teach science and environmental education. [5 Marks]

4. (a) Discuss the implication of Jean Piagets Theory to science teaching and learning. [10 Marks]

- (b) Describe the importance of assessment in science and environmental education. [10 Marks]

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