

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EMBU CAMPUS**

**SECOND YEAR EXAMINATION FOR THE AWARD OF  
DIPLOMA IN EARLY CHILDHOOD DEVELOPMENT**

**ECDE 0234: SCIENCE AND ENVIRONMENTAL EDUCATION**

**STREAMS: DIP (ECDE) Y2S1**

**TIME: 2 HOURS**

**DAY/DATE : TUESDAY 28 /09/ 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 this question paper

**QUESTION ONE (COMPULSORY)**

1. (a) Explain the meaning of the following concepts in Science and Environmental education. [8

Marks]

- (i) Hypothesis
- (ii) Animism
- (iii) Environment
- (iv) Science

- (b) Highlight six General Learning Outcomes for science and environmental activities. [6

Marks]

- (c) Describe four scientific activities that you can use to promote the development of science skills in your ECDE classroom. [8

Marks]

- (d) Highlight four ways you can acquire science teaching and learning materials.

- [4 Marks]
- (e) Elaborate four strands that you can use in your scheme of work in your science / Environmental activities. [4 Marks]
2. (a) Describe five significance of science for young children in their day to day living. [10 Marks]
- (b) Examine five characteristics of African indigenous science. [10 Marks]
3. (a) Discuss five methods and approaches you can use as a teacher to teach science for young children. [10 Marks]
- (b) Examine five skills children develop when learning science activities in early childhood. [10 Marks]
4. (a) Discuss the various components of a lesson plan in the Competence Based Curriculum of education. [10 Marks]
- (b) Explain five ways you can improve the quality of air in your environment as a way of environmental care and conservation. [10 Marks]
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