

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
EDUCATION IN EARLY CHILDHOOD AND DEVELOPMENT**

ECDE 238: SCIENCE AND ENVIRONMENTAL EDUCATION

STREAMS: B.ED ECDE (ODEL)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/08/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- **Answer question one and any other two**
- **DO not write on the question paper**

1. a) Explain six objectives of teaching science and environmental education in ECDE. (12 marks)
b) Expound on five activities that can promote the development of science skills. (8 marks)
c) Discuss the nature of science that can be taught to ECDE teachers to handle children. (10 marks)
2. a) Examine five educational implications of Jean Piaget's theory in the teaching of science and environmental education. (10 marks)
b) Analyze five characteristics of African indigenous science. (10 marks)
3. a) Justify the importance of science and environmental education to preschool learners. (10 marks)
b) Explain five methods of assessing preschool learners' achievement in science and environmental education. (10 marks)
4. a) Examine five ways a teacher can employ to nurture children's curiosity. (10 marks)

b) Discuss five scientific skills that children develop during science and environmental education instructional process. (10 marks)

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