

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN ECDE

ECDE 00139: SCIENCE AND ENVIRONMENTAL EDUCATION

STREAMS: CERT. ECDE

TIME: 2 HOURS

DAY/DATE: MONDAY 12/07/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- **Answer question ONE and any other TWO questions.**
- **Do not write on this paper.**

1. (a) Describe four science process skills that children learn in ECDE. (8 marks)
 - (b) Highlight five roles of a pre-school teacher during a science and environmental activity lesson. (5 marks)
 - (c) Identify five reasons that an ECDE teacher would utilize in teaching and learning of science and environmental activities. (5 marks)
 - (d) Discuss four methods of assessing learners in science and environmental activities. (8 marks)
 - (e) Children are young scientists. Discuss. (4 marks)
2. (a) Discuss the characteristics of African Indigenous science. (10 marks)
 - (b) Explain the relevance of teaching science and environmental studies to ECDE learners. (10 marks)

3. (a) Explain the qualities of an effective science and environmental studies teacher for ECDE. (8 marks)
- (b) Using a strand and substrand of your choice, develop a one week scheme of work for teaching science and environmental activities in pre-school. (12 marks)
4. (a) Explain the methods of teaching science and environmental activities in ECDE. (10 marks)
- (b) Describe five activities that promote development of science skills in pre-school. (10 marks)
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