

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF CERTIFICATE
IN ECDE**

ECDE 00139: SCIENCE AND ENVIRONMENTAL STUDIES

STREAMS: ECDE

TIME: 2 HOURS

DAY/DATE: TUESDAY 06/08/2019

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- **Answer question ONE and any other TWO from 2, 3 and 4**
- **Do not write anything on the question paper**

- (a) Highlight five basic characteristics of a scientist. (10 marks)
 - (b) Explain the major characteristics of effective science teaching and learning in the early childhood years. (10 marks)
 - (c) Discuss the scientific process of solving process of solving problems at ECDE level. (10 marks)
- (a) Highlight the role of the early childhood teacher in class. (12 marks)
 - (b) State four objectives of teaching science in ECDE. (8 marks)
- (a) Identify five major resources for teaching science and environmental activities at ECDE level. (5 marks)
 - (b) Highlight the main components of a science and environmental studies schemes of work to be used in ECDE class. (15 marks)

4. (a) Identify the main strands to be covered under environmental activities at ECDE level. (4 marks)

(b) Highlight the substrands in each of the four strands in environmental activities. (16 marks)
