

**CHUKA**



**UNIVERSITY**

## **UNIVERSITY EXAMINATIONS**

### **SECOND YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF EDUCATION (ECDE)**

**ECDE 238: SCIENCE AND ENVIRONMENTAL EDUCATION**

**STREAMS:ECDE Y2S2**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 17/04/2018**

**8.30 A.M – 10.30 A.M**

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**INSTRUCTION:**

- **Answer question one and any other two from questions 2,3 and 4**
- **Do not write anything on the question paper**

1. (a) Briefly discuss the characteristics of effective science teaching and learning in the early childhood years. [10marks]
- (b) Explain five objectives of teaching science to pre-primary school learners. [10marks]
- (c) Identify ten scientific themes taught to pre-primary school learners. [10marks]

**SECTION B**

2. Explain to a young child the nature of African indigenous science. [20marks]
  3. Briefly discuss the four main strands of environmental activities at pre-primary school level. [20marks]
  4. (a) Discuss the steps followed in solving problems scientifically by pre-primary school learners. [10marks]
  - (b) Briefly explain five activities that promote the development of science skills at ECDE level. [10marks]
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