



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF EDUCATION
BACHELOR OF EDUCATION (ECDE)**

COURSE CODE: ECDE 2123

**COURSE TITLE: SCIENCE AND
ENVIRONMENT IN EARLY
CHILDHOOD**

DATE: 3RD MAY 2018

TIME: 0830 - 1030 HRS

INSTRUCTIONS TO CANDIDATES

Question **ONE** is compulsory

Answer any other **TWO** questions

Question one

- a) Describe with relevant examples the rationale for studying science and environmental education in an ECDE class **(10 mks)**
- b) Using an example for each, describe the following terms
 - i) Skill
 - ii) Hypothesis
 - iii) Process
 - iv) Concept
 - v) Technology **(10 mks)**
- c) Explain the nature of science in ECDE learning. **(10 mks)**

Question Two

- a) Describe the significance of Piaget's theory in teaching science in ECDE. **(10mks)**
- b) With use of appropriate examples, explain inquiry-based learning in an ECDE class. **(10mks)**

Question Three

- a) Stating the properties of matter, discuss the concept of matter and give examples in each case. **(10mks)**
- b) Develop a story that can be used to teach the state in an ECDE class. **(10mks)**

Question Four

- a) Explain how an ECDE teacher can use role play to characteristics of living things in an ECDE class. **(10mks)**
- b) Using drawings, illustrate how to teach classification of animals in ECDE. **(10mks)**

Question Five

- a) An ECDE teacher wanted to teach science in baby class and decided to use lecture method. Explain why the teacher may have contributed to a failed lesson. **(10mks)**
- b) Advice an ECDE teacher on strategies for creating child centered learning experience. **(10mks)**

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