



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR THIRD YEAR FIRST SEMESTER

SCHOOL OF EDUCATION BACHELOR OF EDUCATION

COURSE CODE: ECDE 3127
**COURSE TITLE: METHODS OF
TEACHING SCIENCE AND
ENVIRONMENTAL IN ECDE**

DATE: 24/4/2019

TIME: 2:30 PM - 4:30

PM

INSTRUCTIONS TO CANDIDATE

Attempt question 1 (ONE) and any other 2 (TWO) questions

This paper consists of 2 printed pages. Please turn over.

SECTIONS A: COMPULSORY

QUESTION ONE

a. What is the nature of science? Explain briefly giving examples.
(4 marks)

b. Explain the following types of science experiences.

a) Incidental science.

b) Formal science.

c) Informal science.

(6

marks)

c. Differentiate between biological science and physical science giving relevant examples.

(4 marks)

d. Briefly describe three points you would consider when developing a science activity for 3-years old.

(6marks)

e. State the objectives of teaching Science and Environmental Education in pre-school.

(6 marks)

f. Give four (4) reasons that support the statement that “Children are scientific in nature”.

(4 marks)

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION TWO

Discuss any five methods and approaches used in teaching and learning of science and environmental to young children stating their advantages and disadvantages.

(20 marks)

QUESTION THREE

Citing relevant examples, describe fully the characteristics of young children and how they relate to their learning of Science and Environmental Education.

(20 marks) QUESTION FOUR

Explain the goals of teaching Science and Environmental Education in pre-school. **(20**

marks)

QUESTION FIVE

a) Science activities help children to acquire valuable skills. Discuss how any five of these skills are acquired .

(15marks)

b) What is the role of the teacher in promoting the above skills?

(5 marks)

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