



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE
DEGREE OF BACHELOR OF EDUCATION IN EARLY CHILD
EDUCATION WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

ECE 202: SCIENCE ACTIVITIES

Date: 22nd April, 2016

Time: 11.00 - 1.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO Questions.



QUESTION ONE

a. Explain the following terms and concepts:

- i. Science
- ii. Hypothesis
- iii. Theme
- iv. Dynamic view of science
- v. Process

(10mks)

b. Explain **three** fundamental processes of teaching science in pre-school.

(6mks)

c. Explain **four** characteristics of an effective science activity.

(8mks)

d. State **six** activities that you would use as a teacher to introduce the concept of air to pre-school children.

(6mks)

QUESTION TWO

Discuss **five** scientific skills that children acquire through science activities

providing examples in each case.

(20mks)

QUESTION THREE

- i. State **five** attitudes that children acquire through learning science. **(5mks)**
- ii. Explain how you would teach the theme animals to pre-school children.

(15mks)

QUESTION FOUR

- i. Discuss the activities that a pre-school teacher can engage learners under the electricity.
- ii. Explain **five** importance of science to children in relation to their characteristics

(10mks)

(10mks)

QUESTION FIVE

- i. Discuss **five** aspects of the African indigenous science that can be introduced to pre-school children
- ii. Explain how you would apply the scientific problem solving process in teaching a theme in science.

(10mks)

(10mks)