



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF EARLY CHILDHOOD
EDUCATION WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

**ECE 305: METHODS OF TEACHING SCIENCE
ACTIVITIES**

Date: 29th November, 2016

Time: 12.00 - 3.00 pm

INSTRUCTIONS:

- Answer question ONE and any other THREE questions.



ECE 305: METHODS OF TEACHING SCIENCE ACTIVITIES (MAIN CAMPUS)

Instruction: Answer Question One and Three other questions

QUESTION ONE

a. Explain the following terms and concepts:

- i. Lesson plan
- ii. Participatory approach
- iii. Syllabus
- iv. Learning
- v. Assessment

(10mks)

b. State **four** objectives of teaching science activities at pre-school level.

(4mks)

c. State **three** characteristics of an effective teaching method.

(3mks)

d. Explain **four** factors to consider when preparing a science activities scheme of work.

(8mks)

QUESTION TWO

Discuss **three** theories of teaching science to children.

(15mks)

QUESTION THREE

Discuss **five** methods of teaching science activities.

(15mks)

QUESTION FOUR

- i. Prepare a 30 minutes Pre- Primary 2 science activities lesson plan on the theme 'Plants'. **(10mks)**
- ii. State **five** attitudes that children acquire through learning science. **(5mks)**

QUESTION FIVE

- i. Explain **three** methods of assessing pre-school children in science activities. **(6mks)**
- ii. Describe **three** approaches of teaching science activities to pre-school learners. **(9mks)**

QUESTION SIX

- i. Explain **four** characteristics of a good learning objective **(6mks)**
- ii. Describe **three** teaching and learning resources you would use to teach science activities to pre-school learners. **(9mks)**