

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF  
EDUCATION (ECDE)

ECDE 327: METHODS OF TEACHING SCIENCE & ENVIRONMENTAL  
EDUCATION

STREAMS: BED (ECDE) Y3S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 13/04/2018

8.30 A.M - 10.30A.M.

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**INSTRUCTIONS:**

- Answer Question ONE and any other TWO Questions.
- Do not write anything on the question paper

**QUESTION ONE**

- (a) Discuss the philosophy of Science highlighting the distinction between the two vies of Science. [6 Marks]
- (b) Identify five qualities of an effective Science teacher in lower levels of learning. [5 Marks]
- (c) Briefly describe the rationale for teaching Science and environmental education in ECDE. [4 Marks]
- (d) An effective teacher is a blend of teaching skills and preparation of the professional documents for teaching. Comment. [5 Marks]
- (e) State five factors that must be considered when choosing appropriate activities for acquisition of Science process skills. [5 Marks]
- (f) Identify five themes that can be taught to pre-primary II learners in the current curriculum. [5 Marks]

**QUESTION TWO**

- (a) Describe the foundation of Early Childhood Science and Environmental Education and its application in teaching. [15 Marks]
- (b) Describe five factors considered when selecting an appropriate teaching method for Science and Environmental Education. [5 Marks]

**QUESTION THREE**

- (a) Identify and describe five methods that are most recommended for teaching Science and environmental education. [15 Marks]
- (b) Explain the advantages of learner centred methods of teaching over teacher centred strategies of teaching. [5 Marks]

**QUESTION FOUR**

- (a) Prepare a detailed scheme of work for teaching pre-primary II based on the theme “self for three weeks”. [12 Marks]
- (b) Deduce a lesson plan for teaching one of the lessons from the scheme of work prepare. [8 Marks]

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