

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

**EXAMINATION FOR THE AWARD OF
OF CERTIFICATE IN EARLY CHILDHOOD EDUCATION**

ECDE 00134: MATHEMATICS ACTIVITIES

STREAMS: CERT. ECDE

TIME: 2 HOURS

DAY/DATE: TUESDAY 6 /07/ 2021

11.30 AM – 1.30 PM

INSTRUCTIONS:

- Answer question **One** (Compulsory) and any other **Two** questions.
- Do not write anything on the question paper

Q1. (a) Define the following terminologies as used in mathematics activities.[10 Marks]

- (i) Number
- (ii) Numeral
- (iii) Assessment
- (iv) Sequencing
- (v) Measurement

(b) Teaching and learning materials are crucial in achievement of mathematical lesson objectives. Justify. [8 Marks]

(c) Discuss the criteria used in selection of teaching and learning materials in a mathematics lesson for children. [8 Marks]

(d) Identify the fundamental roles of a teacher in a mathematical lesson.[4 Marks]

Q2. (a) Describe five mathematical language and vocabularies in ECDE. [10 Marks]

(b) Discuss the significance of mathematics in day to day life. [10 Marks]

Q3. (a) State and explain five instructional materials used for teaching mathematics. [10 Marks]

(b) Discuss challenges that a teacher may encounter while teaching mathematics to pre-primary education learners. [10

Marks]

Q4. (a) Discuss five objectives of teaching mathematics to young learners. [10 Marks]

(b) Identify and explain methods that a teacher can use to evaluate young learners in mathematics learning area. [10

Marks]

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