

---

CHUKA



UNIVERSITY

---

**UNIVERSITY EXAMINATIONS**

**EMBU & IGEMBE**

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

**ECDE 00134: MATHEMATICS ACTIVITIES FOR ECDE**

**STREAMS: CERT (ECDE)**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 06/04/2020**

**2.30 P.M. – 4.30 P.M.**

---

**INSTRUCTIONS:**

- **Answer question ONE and any other TWO questions**
- **Do not write on the question paper**

- Q1. (a) Explain the meaning of the following terms [10 marks]
- (i) Mathematics
  - (ii) Number
  - (iii) Multiplication
  - (iv) Sequencing
  - (v) Classification skills
- (b) State six objectives of teaching mathematics in ECDE [6 marks]
- (c) Giving relevant examples, explain the significance of mathematics in day to day life [6 marks]
- (d) Explain how to carry out sorting and grouping activities in an ECDE mathematics lesson [8 marks]
- Q2. (a) Describe five types of classification skills in ECDE mathematics [10 marks]

- (b) Discuss the role of the teacher in a mathematics lesson in ECDE [10 marks]
- Q3. (a) Identify five commonly used materials in pre-school and describe how they are developed [10 marks]
- (b) Explain factors to consider when designing and developing materials for young learners [10 marks]
- Q4. (a) Assessment is an important activity in realization of the set objectives in a mathematical lesson. Briefly describe technique of assessment in an ECDE lesson [10 marks]
- (b) (i) Differentiate between formal and informal assessment [4 marks]
- (ii) Explain why observation is the most widely used method of evaluation in preschool learning environment [6 marks]
-