

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE  
IN EARLY CHILDHOOD DEVELOPMENT EDUCATION**

**ECDE 00134: MATHEMATICS ACTIVITIES FOR ECDE**

**STREAMS: CERT. ECDE (R)**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 07/8/2019**

**2.30 P.M. – 4.30 P.M.**

**INSTRUCTIONS:**

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

1. (a) Describe five objectives of teaching mathematical activities. [10 marks]
- (b) Discuss any three counting errors commonly made by preschoolers. [12 marks]
- (c) Evaluate any two ways in which mathematics is important in the day to day life.

[8

marks]

2. (a) Discuss two activities a teacher may use to teach number recognition to children.

[10

marks]

- (b) Explain any two activities children may carryout in order to learn the concept of area

[6

marks]

- (c) Explain two ways a teacher would use in assessment of children's mathematics achievement.

[4

marks]

3. (a) Discuss five principles of teaching mathematics [15 marks]

- (b) Describe five ways in which teaching learning materials are important in mathematics activities lessons

[5

marks]

4. (a) Briefly explain how you would teach sorting and grouping to children. [5 marks]

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- (b) Discuss using a diagram how children can be taught number value through “matching” activities. [15

marks]

- (c) Discuss how you would teach the relationship between addition and subtraction using the number family 3, 4 and 7 [10

marks]

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