

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS
THARAKA CAMPUS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION
(ECDE)**

ECDE 331: METHODS OF TEACHING ECDE MATHEMATICS

STREAMS: PART TIME

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 4/12/2019

8.30 A.M – 10.30 A.M

MAAGIZO:

Answer question one and any other two

Do not write anything on the question paper

1. (a) Highlight six expected learning outcomes in mathematics instruction at pre school .
[6 marks]
- (b) Identify six ways of enhancing mathematics teacher preparation and professional development. [6 marks]
- (c) Identify six knowledge areas developed when children play with sand. [6 marks]
- (d) Explain six learning games for teaching number recognition. [12 marks]
2. (a) Describe seven learning materials relevant for pre school mathematics instruction.
[7 marks]
- (b) Based on the sub strand 'area'
 - (i) Analyze possible learning outcomes. [5 marks]
 - (ii) Discuss the key inquiring questions [5 marks]
 - (iii) Identify two core competences. [3 marks]
3. (a) Describe five activities for teaching number value. [10 marks]

- (b) Briefly explain the methods of assessing children's progress in mathematics activities at the ECDE class. [10 marks]
4. Discuss the relationship between mathematics and the following learning areas;
- (i) Language [5 marks]
 - (ii) Creative [5 marks]
 - (iii) Religious education [5 marks]
 - (iv) Psychomotor [5 marks]
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