KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
THIRD YEAR EXAMINATION FOR THE AWARD OF
THE DEGREE OF BACHELLOR OF EDUCATION
FIRST SEMESTER 2023/2024
[AUGUST-DECEMBER, 2023]

ECDE 313: METHODS OF TEACHING MATHEMATICS

STREAM: Y3 S1   **TIME: 2 HOURS**

DAY: FRIDAY, 12.00 – 2.00 P.M.   **DATE: 01/12/2023**

INSTRUCTIONS

1.Do not write anything on this question paper.
2.Answer Questions ONE and any other TWO Questions

QUESTION ONE [30 MARKS]

1. Define the following terms as used the teaching of mathematics in ECDE:

   Mathematics –   (2 marks)

   Numbers -   (2 marks)

   Numerals   (2 marks)

   Mathematical operations   (2 marks)

2. Identify six measurement concepts when teaching.   (12 marks)
3. Explain five benefits for planning when teaching mathematics in ECDE   [10 marks]

QUWESTION TWO [20 MARKS]

1. State five objectives of teaching children mathematics.   [10 marks]
2. Explain characteristics of pre-operational stage.   [10 marks]

QUESTION THREE (20MRKS)

1) Discuss the role of the teacher in the teaching of mathematics in relation to the piaget theory   (10 marks)
2) What are the implications of jean piagets theory in the learning of mathematics
                                                                                                                              (10marks)

QUESTION FOUR

1) Explain any five challenges in the teaching of mathematics in ECDE   (10 marks)
2) Identify 5 activities to develop in mathematical concepts   (10 marks)

QUESTION FIVE [20 MARKS]

1. Discus the factors to consider when teaching mathematics in ECDE children.
                                                                                                                              [10marks]
2. Explain five ways of assessing and evaluating ECDE mathematics.   [10 marks]