KISII UNIVERSITY

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

ECDE 214: MATHEMATICS FOR ECDE

STREAM: Y2 S1   **TIME: 2 HOURS**

DAY: WEDNESDAY, 9.00 – 11.00 A.M.   **DATE: 22/11/2023**

INSTRUCTIONS

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

1). a).Briefly explain on how to solve mathematics problem of rote counting to a preschooler.   (5Marks)

b) Discuss the constructivist approach to number work teaching in pre-primary mathematics.   (5Marks)

c).Explain the difference between a curriculum and a syllabus.   (5Marks)

d).Highlight five objectives of teaching mathematics in pre-primary.   (5Marks)

e).Distinguish between a general objectives and an instructional objective in pre-primary mathematics.   (5 Marks)

f).Differentiate between rote counting and real counting.   (5Marks)

2). Clearly show how you can construct and use an improvised teaching and learning resources for pre-primary mathematics.   (20 Marks)

3). a). Describe the steps to follow in planning a micro- teaching lesson on a topic 'matching' to PP II learners.   (10 Marks)

b).Explain with examples five implications of Piajets' theory in the teaching of mathematics in early childhood education.   (10 Marks)

4). a). Explain five ways in which a teacher can help learners to be each other's tutor and tutees in learning number work.   (10 Marks)

b). Review five implications of Jerome Bruner's theory in teaching of Competency Based Curriculum in learning pre-primary mathematics.(10Marks)