

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

<u>DAY: WEDNESDAY, 9.00 - 11.00 A.M.</u> <u>DATE: 22/11/2023</u> 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)