CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OFDEGREE OF BACHELOR OF EDUCATION (ECDE)

ECDE 133: MATHEMATICS FOR ECDE

STREAMS:ECDE Y1S2   **TIME: 2 HOURS**

DAY/DATE: TUESDAY 17/04/2018   **8.30 A.M – 10.30 A.M**

INSTRUCTION:

- **Answer question one and any other three questions**
- **Do not write anything on the question paper**

1.   (a) Elaborate on the nature of mathematics for ECDE.   [10marks]

        (b) State five (5) goals of teaching mathematics in preschool.   [5marks]

        (c) Explain the significance of mathematics in the life of preschool learners. [10marks]

2.   Discuss the implications of Jean piaget theory of cognitive development mathematics instructions.   [15marks]

3.   John and Mary are both seven year old. One of them has undergone ECDE mathematics program. Explain how you could identify the one who has undergone the program.
                                                                              [15marks]

4.   (a) Discuss the computational activities that learners are involved in at the preschool.
                                                                              [8marks]

        (b) Highlight on the classification activities that help learners foster early mathematical concepts and skills.   [7marks]

5.   Describe what the teacher should consider when preparing mathematics activities for preschool children.   [15marks]