
CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD DEGREE OF
BACHELOR OF EARLY CHILDHOOD DEVELOPMENT**

ECDE 133: MATHEMATICS FOR ECDE.

STREAM: B.Ed (ECDE) Y1 S₂

TIME: 2 HOURS

DAY/DATE: THURSDAY 9/04/2020

11.30 A.M - 1.30 A.M.

INSTRUCTIONS:

- **Answer Question ONE and any other Two from 2,3 and 4..**
- **Do not write on the Question paper**

- 1(a). Define the word mathematics as used at ECDE level. [4 Marks]
- (b) State three general learning outcomes to guide the ECDE mathematics teacher.[6 Marks]
- (c) Explain the importance of mathematical activities at an ECDE level. [10 Marks]
- (d) Discuss the core competencies gained by a learner who learns sorting and grouping at ECDE level. [10 Marks]
- 2(a) State three main strands in ECDE mathematics. [6 Marks]
- (b) Discuss the significance of each of the three mathematical strands in life. [14 Marks]
3. Discuss the basic application of Piaget theories in ECDE Mathematics. [20 Marks]
4. Identify a mathematical substrand from classification and
- (i) State five specific learning outcomes. [10 Marks]
- (ii) Explain the learning experiences attached to each learning outcome in (i). [10 Marks]

