

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS  
RESIT/SPECIAL EXAMINATION**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION  
EDCI 331: MATHEMATICS TEACHING METHODS**

**STREAMS: B.ED**

**TIME: 2 HOURS**

**DAY/DATE: FRIDAY 13/08/2021**

**11.30 A.M – 1.30 P.M.**

---

---

1. Discuss how the following skills can use to present content in a mathematics lesson.

(20 marks)

    - a) small group discussion
    - b) stimulus variation
  2. Discuss two learner-centred methods used in mathematics instructions (20 marks)
  3. Discuss the functions of the following professional documents to a mathematics teacher;
    - a) Scheme of work (10 marks)
    - b) Lesson plan (10 marks)
  4. Explain the role of instructional resources in teaching and learning mathematics

(20 marks)
  5. Explain the implications of Jean Piaget theory in teaching and learning mathematics at secondary school level.

(20 marks)
-