CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY IN SCIENCE EDUCATION

EDCI 974: MATHEMATICS EDUCATION

STREAMS: PhD   **TIME: 2 HOURS**

DAY/DATE: FRIDAY 20/12/2019   **2.30 P.M. – 5.30 P.M.**

INSTRUCTIONS:
- **Answer any FOUR questions.**
- **Do not write on the question paper.**

1.   Explain the purpose of classroom assessment in mathematics instruction.   (15 marks)

2.   Discuss the rationale behind the practice of teaching mathematics to the society.
                                                                                        (15 marks)

3.   Elaborate on the implications of any three (3) theories in mathematics education.
                                                                                        (15 marks)

4.   Describe the historical development of mathematics curriculum in the education system in Kenya.   (15 marks)

5.   Discuss any three (3) basic mathematics teaching strategies that can be applied in mathematics instruction.   (15 marks)