

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF EDUCATION

**UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF
EDUCATION**

ECDE

3rd YEAR 2nd SEMESTER 2019/2020 ACADEMIC YEAR

KISUMU CAMPUS -----SCHOOL BASED

COURSE CODE: EEC 3316

COURSE TITLE: MATHEMATICS CURRICULUM, INSTRUCTION & ASSESSMENT

EXAM VENUE: KISUMU LEARNING CENTER STREAM: (B Ed ECDE)

DATE: 08/12/2020 EXAM SESSION: 9.00-11.00AM

TIME: 2 HOURS

INSTRUCTIONS:

- **Answer question 1 (compulsory) and any other 2 questions**
- **Candidates are advised not to write on the question paper**
- **Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE.

- a) Highlight 6 objectives of mathematics activities (6 marks)
- b) Explain six factors you will consider when providing mathematical experience to young children (6 marks)
- c) Discuss the three main concepts in ECD mathematics (6 marks)
- d) Explain 6 factors that may hinder practice and review of mathematics activities among children (6 marks)
- e) Explain 3 activities for teaching matching and pairing (6 marks)

QUESTION TWO

- a) Discuss 6 activities that can help children develop solid foundation in mathematics (12 marks)
- b) Analyze four pointers for effective remediation in mathematics (8 marks)

QUESTION THREE

- a) Examine 6 principles that guide the teaching of mathematics (12 marks)
- b) Suggest and discuss 4 ways of helping learners cope with problem of mathematics anxiety (8 marks)

QUESTION FOUR

- a) Discuss 5 ways in which a teacher can eliminate gender biasness and inequalities during mathematics lesson (10 marks)
- b) Analyze 5 Importance of teaching and learning materials/ resources (10 marks)

QUESTION FIVE

- a) Discuss the purpose of assessment in mathematics (8 marks)
- b) Examine 6 methods of assessing mathematics for young children (12 marks)