JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF EDUCATION

DEPARTMENT OF SPECIAL NEEDS EDUCATION AND EARLY CHILDHOOD DEVELOPMENT

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
EDUCATION- EARLY CHILDHOOD EDUCATION
$3^{\text {RD }}$ YEAR $1^{\text {ST }}$ SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU CAMPUS
COURSE CODE: EEC 3316
COURSE TITLE: MATHEMATICS CURRICULUM, INSTRUCTION \& ASSESSMENT
VENUE: STREAM: BED.ECDE
DATE: EXAM SESSION:

TIME: 2 HOURS

## Instructions:

1. Answer Question ONE (COMPULSORY) and ANY other 2 questions
2. Candidates are advised not to write on the question paper.
3. 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

