JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION EARLY CHILDHOOD EDUCATION/SNE

2ND YEAR 2ND SEMESTER 2015/2016 ACADEMIC YEAR

KISII SCHOOL BASED.

COURSE CODE: EEC 3221

COURSE TITLE: MATHEMATICS ACTIVITIES

EXAM VENUE:

STREAM :(BEd.ECE/SNE)

DATE:

SESSION:

TIME:

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. Describe what the teacher should consider when preparing mathematics activities for young children. [10mks]
b. Explain the nature of mathematics for young children. [10mks]
c. Citing relevant examples, describe five objectives of teaching mathematics activities to young children. [10mks]

QUESTION TWO

a. Giving examples, explain the importance of mathematics in life. [10mks]
b. Describe how parents can assist children develop positive attitudes towards mathematics. [10mks]

QUESTION THREE

Explain, with examples, the implications of Piaget's theory in the learning and teaching of Mathematics Activities. [20mks]

QUESTION FOUR

a. Describe the categories of activities included in classification of mathematics activities citing examples of instructional activities in each case. [10mks]
b. Give five reasons why geometry should be included in pre-school mathematics activities. [10ms]

QUESTION FIVE

Describe Rey's principles of teaching mathematics in ECE and explain how a teacher can use them. [20mks]