



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION
ECDE
3RD YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR
MAIN CAMPUS REGULAR

COURSE CODE: EEC 3311

COURSE TITLE: SCIENCE ACTIVITIES IN ECDE

EXAM 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.**

- 1a). Suggest why it is necessary to have records for ECE science. (3 marks)
- b). What are the main objectives of teaching Science to ECE children (5 marks)
- c). Explain 3 qualities of a good ECE science teacher (3 marks)
- d). Using the topic WATER give 4 activities a science teacher would use to effectively impart this concept to the children (4 marks)
- e). Evaluation is an important aspect of ECE science curriculum. Identify and explain the main methods of evaluating ECE science . (10 marks)
- f). Outline 5 scientific skills children are likely to develop during their science lesson (5 marks)

SECTION B

2 Discuss the scientific process of solving problems (20 marks)

3a). Explain the contribution of the following theorists to the development of Early Childhood Education science.

- i. Bruner (5 marks)
- ii. Dewey (5marks)
- iii. Piaget (5 marks)

b). As an expert you have been called upon to explain what is covered in ECE science. Enumerate some of the areas you will talk about (5 marks)

4 Describe the nature of African Indigenous Science (20 marks)

5 Discuss the various methods /techniques of teaching ECE science (20 marks)