

**MURANG’A UNIVERSITY OF 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 Svience 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 inmart 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

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

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

Education science.

1. Brunner (5 marks)
2. Dewey (5marks)
3. 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)

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

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