



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

**UNIVERSITY EXAMINATION FOR DIPLOMA IN EARLY CHILDHOOD AND
SPECIAL NEEDS**

2ND YEAR 2ND SEMESTER 2017/2018 ACADEMIC YEAR

MAIN CAMPUS REGULAR

COURSE CODE: ESN 2223

COURSE TITLE: SPECIFIC METHODS OF TEACHING SCIENCE

EXAM VENUE;

STREAM: DIP. SNE

DATE

EXAM SESSION:

TIME: 1 ½ 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.**

1. a. Explain ANY FOUR objectives of teaching primary science (8marks)
b. Define the following terms:
 - i. science (2mks)
 - ii. method (2mks)
 - iii. objectives (2mks)
 - iv. approaches (2mks)
c. Explain the difference between teacher centered and learner centered teaching. (8mks)
d. What is the role of the teacher in observation method of teaching (6mks)

2.
 - a. Using relevant examples discuss FOUR merits of questioning as a technique in teaching. (10marks)
 - b. How relevant is the above technique in 2(a) to the teacher. (10mks)

3. a. Construct schemes of work of any class for teaching primary science for a period of 2 weeks (10marks)

b. From your scheme of work in 3 (a) above, prepare a lesson plan of 35 minutes (10mks)

4. Discuss how to construct tests and characteristics of a good test (20marks)

5. Discuss the approaches to teaching science. (20marks)