



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF EDUCATION**

**UNIVERSITY EXAMINATION FORDIPLOMA IN EARLY CHILDHOOD AND  
SPECIAL NEEDS**

**2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

**KISII CAMPUS**

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**COURSE CODE: ESN 2223**

**COURSE TITLE: SPECIFIC METHODS OF TEACHING SCIENCE**

**EXAM VENUE:**

**STREAM :( Dip.SNE)**

**EXAM DATE: 12/08/19**

**EXAM SESSION: 2.00 – 3.30PM**

**TIME: 1 ½ HOURS**

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**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 List 4 reasons why it is important to draft a lesson plan as a teacher (4marks)
  - b List 4 objectives of teaching primary science (4marks)
  - c Distinguish between dynamic approach and static approach in teaching science (2marks)
  - d Outline 2 scientific skills and 2 scientific attitudes developed when teaching science( 4 marks).
  - e State 3 methods of assessing learners in science (3 marks).
  - f State 5 characteristics of a well stated objective (5 marks.)
  - g List 5 causes of lack of attention during the lesson( 5 marks).
- 2) a What are the main components of a schemes of work (5 marks).
  - b Write a multiple choice item using the options below (2 marks).  
Rainfall  
Temperature  
Lightning  
Wind
  - c Write down the key and ability tested in question 2b (2 marks).
  - d Outline 3 professional documents a teacher should have (3marks).
  - e Identify and explain 4 questioning techniques (8 marks).
- 3) a Discuss project method of teaching under the following subtopics; preparation, teacher role, advantages and disadvantages (12 marks).
  - b Critically examine instances giving examples where demonstration as a teaching method would be appropriate to use(8marks)
- 4) a List four benefits of using teaching aids[ 4 marks.]
  - b Explain four qualities of a good chart.[8 marks.]
  - c What factors would you consider when choosing a textbook for your students (8marks)
- 5) a List four ways on how you as a teacher could use a chalkboard effectively (4marks)
  - b Differentiate between teacher centered teaching methods and learner centered teaching methods (4marks)
  - c Given the topic weather instruments draft a lesson plan (12marks)