

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION**

**EDCI 342: CHEMISTRY SUBJECT METHODS**

**STREAMS: BED SCIENCE**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 12/07/2021**

**11.30 A.M. – 1.30 P.M.**

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**INSTRUCTIONS:**

- **Do not write anything on the question paper.**
- **Answer question one and any other two.**

- Outline five aims of teaching chemistry in secondary schools in Kenya. (5 marks)
  - Explain the importance of instructional objectives in the teaching of chemistry. (5 marks)
  - Describe five key design considerations for secondary school chemistry laboratory. (10 marks)
  - Prepare a lesson plan for use in teaching form one class laboratory preparation of oxygen. (10 marks)
- Discuss five advantages of using practical work in the teaching of chemistry. (10 marks)
  - Explain by use of examples why a teacher would choose demonstration method over students experiment in teaching chemistry. (10 marks)
- Outline the importance of the following documents in the teaching of chemistry. (10 marks)
    - Scheme of work
    - Lesson plan

- (b) Discuss the steps you would take in planning for and implementing a teacher demonstration lesson on “Acids, Bases and Indicators” (10 marks)
4. (a) Explain on the specific test types used to assess achievement in chemistry. (10 marks)
- (b) Discuss the use of atomic models in chemistry teaching. (10 marks)
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