

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**RESIT/SPECIAL EXAMINATION**

**EXAMINATION FOR THE AWARD OF POSTGRADUATE DIPLOMA IN  
EDUCATION**

**PGDE 753: CHEMISTRY SUBJECT METHODS**

**STREAMS: PGDE**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 03/11/2021**

**8.30 A.M – 10.30 A.M.**

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**INSTRUCTIONS:**

- Answer **ALL** the questions in this paper
- Do not write on the question paper

1. a) Describe five main areas in which chemistry has provided great contributions to the society. (10 marks)  
b) Discuss five instances when teacher demonstration would be the most appropriate method. (10 marks)
2. a) Discuss five advantages using practical work in chemistry teaching. (10 Marks)  
b) Explain the importance of instructional objectives in the teaching of chemistry. (10 marks)
3. a) Discuss the importance of assessment in chemistry (10 marks)  
b) Discuss five types of tests that are commonly used in chemistry 10 marks
4. a) Discuss five considerations a teacher needs to put in place when writing a scheme of work. (10 marks)

- b) Explain the value of the following in chemistry teaching.
- i) Schemes
  - ii) Lesson plan (10 Marks)
5. a) with relevant examples from chemistry teaching explain the activities of a teacher during student practical work (10 marks)
- b) Write a lesson plan for delivering a single chemistry lesson using the teacher demonstration method. (10 marks)
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