

**CHUKA**

**UNIVERSITY**



**UNIVERSITY EXAMINATIONS**

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

**PGDE 753: CHEMISTRY SUBJECT METHODS**

**STREAMS: PGDE (PART/TIME)**

**TIME: 3 HOURS**

**DAY/DATE: THURSDAY 10/04/2025**

**11.30 A.M. – 2.30 P.M.**

**INSTRUCTIONS**

- i. Answer question one and any other two questions in this paper**
- ii. Do not write on the question paper**

1. a) Describe any five scientific attitudes gained by learners through the learning of chemistry. (10 marks)
- b) By use of relevant examples, discuss the importance of developing instructional objectives before embarking on chemistry teaching. (10 marks)
- c) Describe the strengths and weaknesses of improvising resources for the learning of chemistry. (10 marks)
2. a) Show the application of chemistry taught in secondary school level in various areas of the society using examples based on content learnt. (10 marks)
- b) Explain the importance of developing a lesson plan in chemistry teaching (5 marks)
3. a) Describe the role of teacher in during class practical work in chemistry. (10 marks)
- b) Explain the reasons as to why a teacher would choose to carry out a demonstration instead of using class practical work. (5 marks)

4. a) Discuss the importance of chemistry laboratory in the teaching and learning of chemistry.

(10 marks)

b) Describe five key types of provisions useful in mitigating undesirable incidences in the chemistry laboratory.

(5 marks)

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