



# KISII UNIVERSITY

## UNIVERSITY EXAMINATIONS

### FIRST YEAR EXAMINATION FOR THE AWARD OF THE POST – GRADUATE DIPLOMA IN EDUCATION FIRST SEMESTER, 2021/2022 (JUNE - SEPTEMBER, 2022)

#### PGDE 716: METHODS OF TEACHING CHEMISTRY

**STREAM: Y1 S1**

**TIME: 2 HOURS**

**DAY: TUESDAY, 9:00 – 11:00 A.M.**

**DATE: 13/09/2022**

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#### **INSTRUCTIONS**

- 1. Do not write anything on this question paper.*
- 2. Answer Question ONE [Compulsory] and any other TWO Questions.*

#### **QUESTION ONE**

a. Explain the meaning of the following terms:

- Syllabus (2 marks)
- Lesson plan (2 marks)
- Record of work (2 marks)
- Briefly explain the objectives of Chemistry (4 marks)

b. Discuss the contribution of the following in the history of chemistry:

- Ancient Greeks (2 marks)
- Alchemist (2 marks)
- Metallurgy (2 marks)

c. Discuss the contribution of Dalton's Atomic theory of matter in Chemistry (6 marks)

d. Discuss factors affecting the teaching and learning of Chemistry in secondary school (8 marks)

**QUESTION TWO**

Discuss methods and techniques of resource and provision in chemistry (15 marks)

**QUESTION THREE**

Discuss learning and instruction principles relevant to the teaching of chemistry (15 marks)

**QUESTION FOUR**

Discuss factors affecting the teaching and learning of chemistry in secondary schools (15 marks)

**QUESTION FIVE**

Discuss the components of a scheme of work (15 marks)