

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION

ECT 305: CHEMISTRY SUBJECT METHODS

DATE:

TIME:

INSTRUCTIONS: Answer Question One and Any Other Two

QUESTION ONE (COMPULSORY) (30 MARKS)

a)	Explain how you would introduce Chemistry for a form one class so as to stimulate their interest in careers related to the subject. (INCLUDE strategies and resources).	
		(10 marks)
b)	Explain the steps in the Experimental method of teaching of Chemistry; You may	
	make reference to a named practical.	(12 marks)
c)	Discuss any four values of science promoted through Chemistry.	(8 marks)

QUESTION TWO (20 MARKS)

Prepare an 80-minute Lesson Plan for practical lesson on Test for Anions.

Include: Chloride ions, Nitrate ions, Sulphate ions, Sulphite ions.

QUESTION THREE (20 MARKS)

Discuss how Chemistry contributes to any two of the following:

- i) The Medical professions.
- ii) Technology and Industrial Development.
- iii) Informed Citizenship

QUESTION FOUR (20 MARKS)

Explain the significance of <u>one</u> of the following approaches to the teaching of Chemistry:

- i) The Project Method
- ii) The Meta-Cognitive approach
- iii) The Process-Skills approach
- iv) The Demonstration Method

QUESTION FIVE (20 MARKS)

Write briefly about <u>the skills tested in one of the following areas</u> of chemistry practical

i)	Qualitative analysis	(10
	marks)	
ii)	Rate of reaction	(4
	marks)	
iii)	Volumentric analysis.	(6
	marks)	