



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE  
DEGREE OF MASTER OF EDUCATION IN PEDAGOGY**

**CITY CAMPUS -SCHOOL BASED**

**PED 810: CHEMISTRY CURRICULUM**

Date: 14<sup>th</sup> December, 2015

Time: 9.00 - 12.00 noon

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**INSTRUCTIONS:**

- Answer ANY FOUR questions.

### **QUESTION ONE**

Discuss the place of chemistry in the School Curriculum in terms of:

- a) Its importance as a field of study
- b) Cross curriculum linkage with other subjects (15marks)

### **QUESTION TWO**

Compare and contrast the Tyler's model and Wheeler's model of curriculum development with reference to the process adopted by the National Chemistry Panel at the Kenya Institute of Curriculum Development

(15marks)

### **QUESTION THREE**

Critically discuss the evolution of the secondary school chemistry syllabus in Kenya since the launching of the 8.4.4, giving reasons for the re-emergence of the General Science (chemistry) syllabus in 2008

(15marks)

### **QUESTION FOUR**

Outline the procedures you would undertake to assess the following science process skills in your chemistry teaching:

- Predicting
- Inferring
- Controlling variables

(15marks)

### **QUESTION FIVE**

Discuss the implications for chemistry teaching of the government's policy to integrate the use of ICT in the school curriculum. Give specific examples to illustrate

(15marks)

### **QUESTION SIX**

Explain why the assessment of practical work in chemistry teaching faces several challenges whether done internally or externally.

(15marks)