



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 814: MEDIA IN CHEMISTRY EDUCATION

Date: 16th December, 2015

Time: 9.00 - 12.00 noon

INSTRUCTIONS:

- Answer ANY FOUR questions.

Question One

Justify the use of technology in chemistry education on the following grounds

- Motivation
 - Presenting information
 - Providing instructions
 - Bridging the “concrete – abstract” continuum
- (15 Marks)

Question Two

Identify any three non – projected visual media and describe how you would use each of them in teaching specified chemistry topics.

(15 Marks)

Question Three

Critically discuss the role of the laboratory in teaching of chemistry in Kenyan secondary schools.

(15 marks)

Question Four

Discuss the questions provided by UNESCO (1992) that should guide schools in designing and producing low cost science equipment.

(15 marks)

Question Five

The use of science rooms and improvisation are options often suggested to address the lack of facilities for chemistry teaching. Briefly describe what each suggestion entails.

(15 marks)

Question Six

Chemistry teaching should extend beyond the laboratory to include

- Local environment
- Informal sector and
- Industry

Discuss

(15 Marks)