



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
YEAR THREE SEMESTERS ONE
2017/2018 ACADEMIC YEAR**

**SCHOOL OF EDUCATION
BACHELOR OF EDUCATION**

COURSE CODE: CIM 322

COURSE TITLE: SUBJECT METHODS IN CHEMISTRY

DATE: 18/4/2018

TIME: 8.30-10.30 AM

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** and any other **TWO**

This paper consists of 2 printed pages. Please turn over.

QUESTION ONE

- a) Discuss the uses of class experiments in chemistry as a teaching technique **(10marks)**
- b) Explain five ways by which learners can be made to appreciate the contribution of chemistry knowledge to mankind **(10marks)**
- c) Explain the scientific skills that can be developed while teaching the topic: *Effects of heat on carbonates through class experiment.* **(10marks)**

QUESTION TWO

Discuss the challenges that a Chemistry teacher may encounter while carrying out the following activities and suggest possible solutions:

- a). Demonstration experiment **(10marks)**
- b). Project work **(10marks)**

QUESTION THREE

- a). Describe the qualities of a good Chemistry teacher **(10marks)**
- b). Outline five limitations to effective teaching and learning of Chemistry **(10marks)**

QUESTION FOUR

Explain the following components as used in a Chemistry lesson plan:

- a) Lesson objectives **(3marks)**
- b) Teaching/learning activities **(6marks)**
- c) Teaching/Learning resources **(6marks)**
- d) Assignments **(5marks)**

QUESTION FIVE

Explain the following aspects of Chemistry laboratory management

- a. Proper storage of materials/equipment **(10marks)**
- b. Personal safety **(10marks)**

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