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**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2020/2021 ACADEMIC YEAR TWO**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF EDUCATION, ARTS AND SOCIAL SCIENCES**

**FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)**

**COURSE CODE: EDC 211**

**COURSE TITLE: TEACHING METHOD I (CHEMISTRY)**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 10/10/2021 TIME: 09.00-11.00 AM**

**INSTRUCTION TO CANDIDATES**

* **The examination has FIVE (5) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other TWO (2) questions from the remaining FOUR (4) questions**
* **Use sketch diagrams to illustrate your answer whenever necessary**
* **Do not carry mobile phones or any other written materials in examination room**
* **Do not write on this paper**

**This paper consists of TWO (2) printed pages *please turn over***

**QUESTION ONE (COMPULSORY)**

1. Explain the main three branches of science (6marks)
2. Highlight four chemistry class activities that may contribute to development of recording skill (4marks)
3. Differentiate between the Organic and inorganic chemistry (4marks)
4. Explain six important precautions that should be considered when storing different materials in the laboratory (6 marks)
5. Highlight form three and four chemistry topics as they follow one another in the syllabus (6marks)
6. Explain four advantages of a lecture method in teaching of chemistry (4marks)

**QUESTION TWO**

1. Describe how Five different chemistry apparatus can be improvised (10marks)
2. Explain factors that should be put into consideration when building a new laboratory (10marks)

**QUESTION THREE**

Discuss five learner-centered teaching methods that are most appropriate in teaching of chemistry (20marks)

**QUESTION FOUR**

1. Discuss advantages and disadvantages of dynamic approach in teaching of chemistry (10marks)
2. Discuss five main educational learning theory that have influenced teaching of chemistry (10marks)

**QUESTION FIVE**

1. Discuss five scientific skills apart from recording that are important in chemistry (15marks)
2. Highlight five circumstance under which demonstration method is appropriate in teaching of chemistry (5marks)