

NAME..... Signature.....

Stream.....

Uganda lower secondary certificate of education

Competence Based curriculum

End of Term II Examinations

SENIOR ONE

CHEMISTRY MARKING GUIDE

Time: 1 hours 15 minutes

INSTRUCTIONS TO LEARNERS:

This paper consists of *Three* items.

Attempt *all* items.

Item 1	Item 2	Item 3	Total Scores

Item 1

The government wants to construct a new dam in Damal region a long River Nile in order to increase on hydroelectric power production. It has hire an Arab construction company to execute this exercise using different building materials on market that have minimal impacts to the environment.



The chief engineer of the company has promised the government that he will select suitable materials to be used basing on their qualities and properties.

Task

Use your chemistry knowledge to;

(a) Explain

(i) categories of the materials to be used

(3 scores)

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(ii) The suitability of the materials.

(4 scores)

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(b) Advise the chief engineer about the choice of the materials used. (2 scores)

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Item 2

In a certain school, the latrine is near senior three class. The foul smell disturbs the students in class and the smell becomes much on hot day



(a) Explain briefly how the smell molecules are able to move from the latrine up to classroom (3 scores)

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(b) Explain why the smell of the latrine becomes much more during the hot day (3 scores)

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(c) Use the kinetic theory of matter to explain the nature of particles arrangement in the following;

(i) solids

(2 scores)

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(ii) Gas

(2 scores)

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Item 3

The minister of economic development wants various sector that contribute the economy to develop so that boost the productivity and income of the residents, emphasis has been put on embracing the use of chemistry in the various sectors of the economy.



Task.

Write and explain how chemistry will help to boost the productivity and income of residents in various sectors like Agriculture, transportation, industrialization and

Medical sector

(9 scores)