GATITU MIXED SECONDARY SCHOOL

END OF TERM ONE EXAM CAT 1 2015

FORM ONE

CHEMISTRY

NAME…………………………………………………………. ADM NO: ………….CLASS: …………

INSTRUCTIONS

* ***Write your name and admission number in the spaces provided above.***
* ***Answer all the questions in the spaces provided***
1. What is chemistry? (2 marks)

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1. a) Name the two types of flames produced by the Bunsen burner. (2 marks)

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1. Outline five roles of chemistry in the society (5 marks)
2. ……………………………………………………………………………………………………………………………………………………………………………………
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6. ……………………………………………………………………………………………………………………………………………………………………………………
7. Identify the following apparatus and state their uses. (8 marks)

 

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|  c) d)  | **Name** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** **Name** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Use** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |

1. Give three reasons why laboratory apparatus are made of glass (3 marks)
2. ……………………………………………………………………………………………………………………………………………………………………………………
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4. ……………………………………………………………………………………………………………………………………………………………………………………
5. a) What is matter? (1 mark)

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b) State the three states of matter. (3 marks)

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1. i) What is a mixture? Give three examples of mixtures (4 marks)

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ii) List any three methods used to separate mixtures. (3 marks)

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iii) Name the methods by which the following mixtures could be separated (4 marks)

1. Kerosene and water

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1. Iron fillings from sulphur powder.

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1. Ethanol from a solution containing a mixture of alcohols.

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1. Pure water from sea water.

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1. The figure below shows the effect of temperature on ice. Study it and use it to answer the questions that follow.



1. Name the processes labeled A, B, C and D (4 marks)

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1. Name the process where ice changes directly to steam without undergoing any liquid state.(1 mk)

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1. Give four substances that undergo the process named in (b) above (4 marks)
2. ……………………………………………………………………………………………………………………………………………………………………………………………..
3. ………………………………………………………………………………………………………………………………………………………………………………………………
4. ……………………………………………………………………………………………………………………………………………………………………………………………...
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