##  GATITU MIXED SECONDARY SCHOOL

## END OF TERM I EXAM NAME:.................................................

## FORM 1 2013 ADM NO:....................

 **CHEMISTRY DATE.....................................**

Instructions: **Answer all questions in this paper.**

1. Define the term Chemistry (2mks**)**
2. Highlight five roles of chemistry in the society (5mks)
3. Outline three career opportunities in chemistry (3mks)
4. What is a laboratory (1mk)
5. Highlight five laboratory safety rules (5mks)
6. Name three frequently abused drugs (3mks)

 b) State two long term effects of drug abuse (2mks)

1. Explain why most laboratory apparatus are made of glass (3mks)
2. State what students should do in case of a major accident such as fire outbreak in the chemistry laboratory (3mks)
3. Give four differences between luminous and non luminous flames (4mks)
4. Study the diagram below and answer the questions the questions that follow

 water being heated using a water being heated using

 luminous flame non luminous flame

 a) Which water sample took shorter time to boil and why (2mks)

 b) What is observed at the bottom of each beaker (2mks)

12. a)What is a drug (1mk)

 b)Define the term prescription and drug abuse (2mks)

13. Define matter and give three states of matter (4mks)

gas

solid

liquid

 The diagram above shows relationship between the physical states of matter . Study it answer the questions that follow

 a) Indentify the processes R,S,T,U,V (5mks)

14. Name and give uses of the following apparatus (6mks)

15. Define the following terms (3mks)

 a) elements

 b) Compounds

 c) Mixture

16. Give two differences between compound and mixture (2mk)

17Name seven methods of separating mixtures (7mks)

18. Draw a clearly labeled diagram of Bunsen burner (3mks)

19. Describe how you would follow to light a Bunsen burner so a s to obtain

 a) Aluminous flame

 b) A non luminous flame (4mks)

20. Name three methods of conducting heat (3mks)

21. Explain the shape of the solid (1mk)

 b) Is it possible to change the shape easily? Explain (2mks)