

FORM 1 TERM 1 CHEMISTRY EXAMINATIONS 2018

1. State four preventive measure of drug –abuse.(4mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

2. State under which conditions are the following flame formed in the laboratory. 2mks

1. Luminous…………………………………………………………………..
2. Non- luminous…………………………………………………………..

3 Define the following terms.

1. Solute 1mks

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Saturated solution 1mks

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

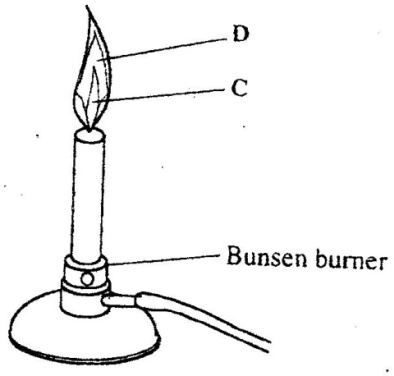
4. State 4 differences between luminous and luminous and non luminous flame.

**Luminous flame non luminous flame**

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

(8mks)

**5** The diagram below shows a Bunsen burner when in use.



Name the regions labelled C and D. (2 marks)

................................................................................................................................................................................................................................................................................................................................................

6. Define the term chemistry (2mks

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

7 .Name two drugs that commonly abused in Kenya today and in each case give its effect. (4mks

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

8 .Give the apparator which is used for the following purposes: 3mks

* 1. Measuring time……………………………………………………………………………………………………..…
  2. Measuring weight……………………………………………………………………………………………………..
  3. Source of heat……………………………………………………………………………………………………………..

9. State six safety laboratory rule (6mks

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………...

10. state the use of the following apparatus (5mks

1. Burrete……………………………………………………………………………………………………………………………………………………
2. Test tube…………………………………………………………………………………………………………………………………………………
3. Mortar and pestle……………………………………………………………………………………………………………………………………
4. Test tube holder………………………………………………………………………………………………………………………………………
5. Beaker…………………………………………………………………………………………………………………………………………………………….

11 What is a flame? (1mk

……………………………………………………………………………………………………………………………………………………………………..

12. Give four techniques of separating mixtures (4mks

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

13 .Give the method used in separating the following mixtures (6mks

1. Sand and water………………………………………………………………………………………………………………………………..
2. Copper sulphate crystals from its aqueous solution………………………………………………………………………..
3. Petroleum fom crude oil…………………………………………………………………………………………………………………..
4. Oil from nuts…………………………………………………………………………………………………………………………………..
5. A mixture of sodium chloride crystals and iodine crystals………………………………………………………………..

14 Draw a well labeled diagram to show how you can separate two miscible liquids that have different boiling points. (10mks

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………