

Name: Adm No:

School: Candidate's Sign:

Date:

CHEMISTRY

TIME: 2 HOURS

2019 TERM 2 EXAM
Chemistry
FORM 1

Chemistry

INSTRUCTIONS TO THE CANDIDATES:-

- Write your **name** and **Admission number** in the spaces provided.
- Answer *all* the questions in the spaces provided.
- Mathematical tables and electronic calculators may be used
- All working **MUST** be clearly shown where necessary.

For Examiner's Use Only:

Question	Maximum score	Candidate's score
----------	---------------	-------------------

1-25	80 MARKS	
------	----------	--

1 [a] What is Chemistry? {1mk}

.....

[b] Define the following terms as used in chemistry;
 {i} Matters {1mk}

.....

{ii} Mixture {1mk}

.....

2. Explain how you would distinguish a solid from a liquid {2mks}

.....

.....

3 {a} what is a drug {1mk}

.....

{b} State two long term effects of drug abuse to the user {2mks}

.....

{c} A form one student went to the school clinic and was prescribed malarial drugs to take 2 x3

i) Explain how the student was supposed to take the drugs {2mks}

.....

{ii} Supposing the student took the drugs at 7.00a.m in the morning. Calculate the other hours of the day when he is expected to take the other drugs {2mks}

{i} Accurate volume of liquids {three apparatus } {3mks}

.....

.....

.....

.....

.....

{ii} Amount of solid [one] apparatus {1mk}

.....

.....

{iii} Temperature of boiling water [one]apparatus {1mk}

.....

.....

.....

7. Putting off flames not in use is one of the safety rules of laboratory to avoid injuries. List four other safety rules applied {4mks}

.....

.....

.....

.....

8. Draw and label a non-luminous flame {4mks}

9. {a} Name three major parts of bursen burner

{3mks}

.....

.....

.....

.....

{b} State the functions of each of the part named in {a} above

{3mks}

.....



.....

.....

.....

10. The diagrams below are some common laboratory apparatus. Name each apparatus and state its use

{8mks}

	APPARATUS	NAME	USE
(i)			
(ii)			

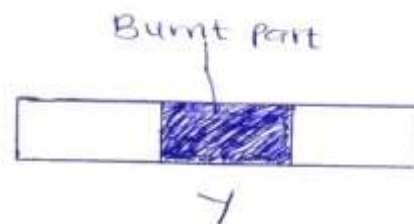
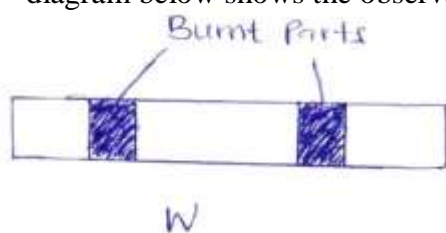
(iii)			
(iv)			

11 {a} What is a flame

{1mk}

.....

{b} Wooden splint W and Y were placed in different zones of a Bunsen burner flame. The diagram below shows the observations that were made:



{i} State the zone of the flame that made

[a] the observation for W

{2mks}

.....

{b} the observation for Y

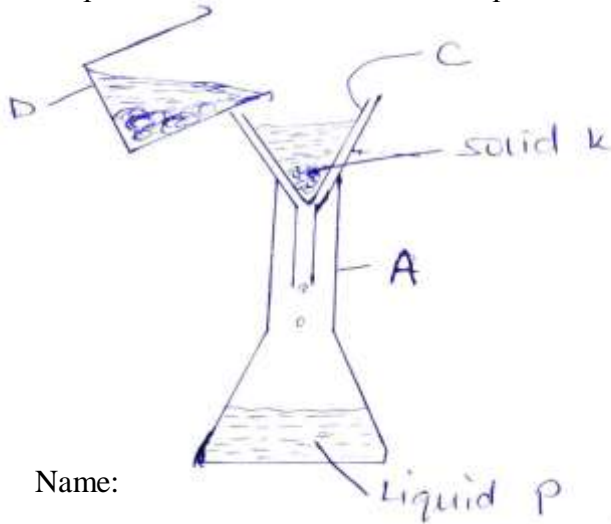
.....

{ii} Explain the difference between W and Y

{2mks}

.....
.....
.....
{ iii } Identify the most ideal flame used in the experiment above { 1mk }

12. Study the set-up shown below and answer the questions that follow;



{ a } Name: Apparatus A { 3mks }

.....
Apparatus C

.....
Apparatus D

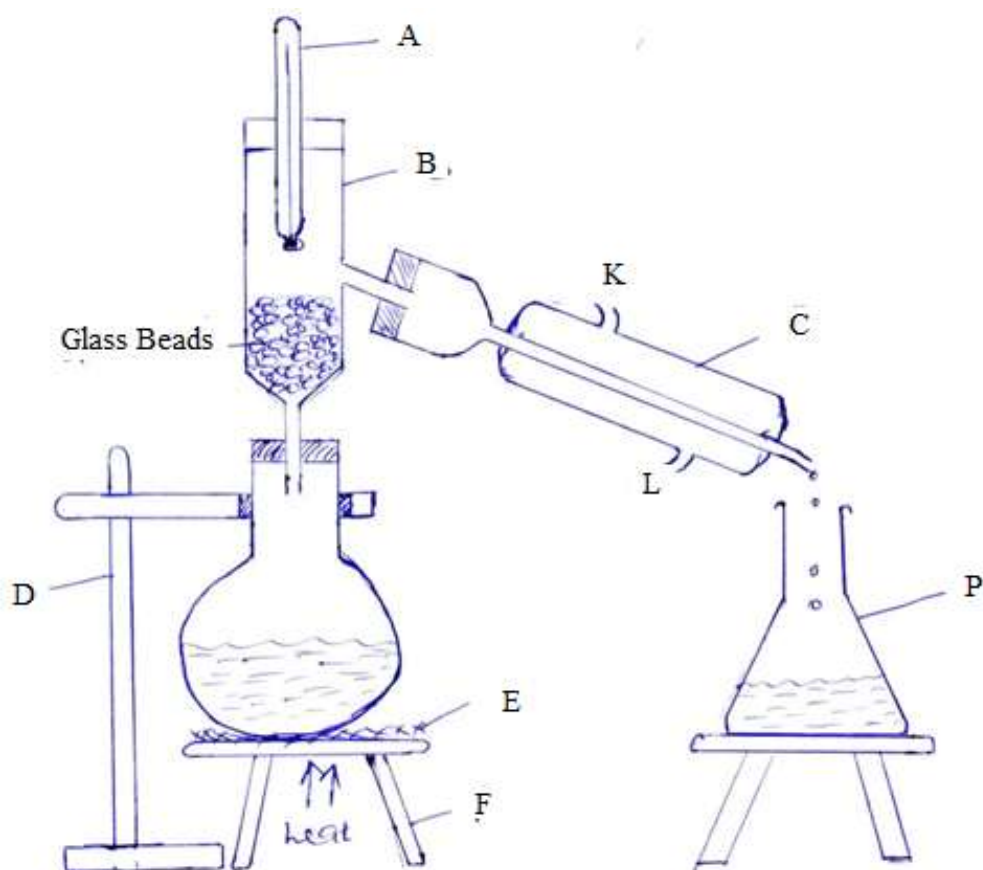
.....
{ b } Name the method of separation shown above { 1mk }

.....
{ c } { i } Distinguish between a filtrate and residue { 2mks }

.....
{ ii } Identify them from the set-up above { 2mks }

.....
{d} Why is it possible to separate the mixture above using the method named in {b} above {1mk}
.....
.....
.....

13. The set-up below was used to separate a mixture of liquid M and N with boiling points of 68°C and 78° respectively by the use of method K



{a} Name the method K {1mk}

.....
{b} Name the apparatus {5mks}

(i) A.....

(ii) B.....

(iii) C.....

(iv) D.....

(v) F.....

{c} State two properties of liquid M and N that makes them possible to separate by method K shown above {2mks}

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

{d} State one function of glass beads {1mk}

.....
.....

{e} Which letter represent;
{i} Water outlet in apparatus C {1mk}

{ii} Water inlet in apparatus C {1mk}

{f} What is the effect of interchanging the water inlet and water outlet in apparatus C {1mk}

.....
.....

{g} What general name is given to the liquid collected in apparatus p {1mk}

.....
.....

{h} Give an example of two liquids that can be separated by method K {1mk}

.....
.....
