

**FORM ONE CHEMISTRY
HOLIDAY ASSIGNMENT
APRIL, 2024**

1. Define the following terms:

- a) Matter (1mk)
- b) Drug abuse (1mk)

2. Name four career opportunities open to a chemist.

3. Name three frequently abused drugs. (3mk)

4. Explain why most laboratory apparatus are made of glass

(5). Define the following terms:

(i). A saturated solution. (1mk)

(ii). Crystallization. (1mk)

6. Give 2 differences between luminous and non-luminous flame (2mks)

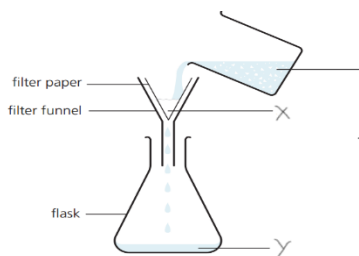
7. Give the method used in separating the following mixtures (3mks)

a) Sand and water.....

b) Petroleum from crude oil.....

c) Oil from groundnuts seeds.....

8. The following set up was used to separate sand and water. study it and answer the questions that follows.



(a) Identify the method of separation. (1mk)

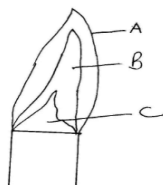
(b) Give a special name given to solid X and liquid Y. (2mks)

(c) State an advantage of this method over decantation. (1mk)

9. State two major differences between those of solids and those of gases (2mks)

10. What is a flame? (1mk)

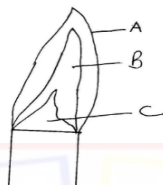
(ii). The following diagram represent a type of flame produced by a Bunsen burner.



(a) Name the type of flame (1mk)

(b). The flame should be put off immediately after use or adjusted to another type of flame. Explain (2mks What is a flame?)
(1mk)

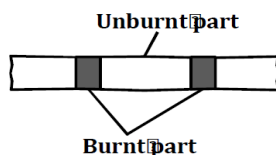
(ii). The following diagram represent a type of flame produced by a Bunsen burner.



(a) Name the type of flame (1mk)

(b). The flame should be put off immediately after use or adjusted to another type of flame. Explain (2mks)

(iii). A wooden splint slipped through region B of the above flame laboratory. The splint was burnt as shown in the diagram below.



Explain why the splint was burnt the way it is shown in the diagram. (2mks)