

END OF TERM 1 EXAMS-2019

SENIOR ONE

CHEMISTRY

DURATION 2 HRS

INSTRUCTIONS

Answer all the questions

SECTION A

Circle the correct alternative letter

1. The melting point of water is
A. 100°C B. 78°C C. 0°C D. 138°C
2. Distillation is the method use to separate a mixture of components of different
A. Mass B. boiling point C. densities D. solubilities
3. What is the criteria for using fractional distillation
A. Components are immiscible but with boiling points
B. Components are miscible but with close different boiling points
C. Components are volatile
D. Components are miscible,volatile and have different but close boiling points
4. What is the symbol of magnesium?
A. Mg B. MG C. Mg D. mG
5. The substance which can be purified by sublimation is
A. Sulphur B. iodine C. sand D. iron
6. The latin name for silver is
A. Hydragium B. argentum C. aurium D. plumbum
7. The following are mixtures except
A. Calcium chloride and salt
B. Water

- C. Lead sulphate and iron fillings
D. Air
8. The.....flame is very bright
A. Luminous B. non-luminous C. bulb D. torch
9. The following are states of matter except
A. Solid B. gas C. cooking D. liquid
10. An atom is
A. Very big and circular
B. Small indivisible particle
C. Small divisible particle
D. Very small and big

SECTION B

Answer in spaces provided

11. a) What is a laboratory?

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- b) Give four instruments found in a laboratory

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- c) Give two uses of a laboratory

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- d) Give three rules and regulations followed in a laboratory

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12a) Name any two apparatus that are used to measure the volume of water in the laboratory

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b) Give three examples of heat sources you know in the laboratory

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c) Draw and label a bunsen burner

13a) What is matter?

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b) Give the three states of matter you know

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(c) Define the following changes of state

(i) Sublimation

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(ii) Freezing

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(iii) Melting

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(iv) Evaporation

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(v) Condensation

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14a) What is a physical change?

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b) Give two differences between physical change and chemical change

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SECTION C(Answer on the answer sheets provided

15a) Define the following.

(i) Compound

(ii) Mixtures

(b) Mention two examples each case;

(i) Solid-solid mixtures

(ii) Liquid- liquid mixtures

(c) Mention differences between miscible and immiscible liquids.

(d) Explain the following methods of separation of mixtures giving example of mixtures that can be separated by this method.

(i)Filtration

(ii) Use of separating funnel

(iii) Simple distillation

(iv) Fractional distillation

16. a) State two types of flames produced by a Bunsen burner(2mks)

b) Give four differences between the flames you have stated in (b) above

c) Draw and label any one of the two types of flames produced by the Bunsen burner (4mks)

17. a) Define the following.

(i) Element

(ii) Atom

(b) Mention the first twenty elements of the periodic table **in their order**, and their symbols. (Use a suitable table).

END