**DARAJANI SECONDARY SCHOOL,**

**P.O. BOX 20-90129, NGWATA.**

**MID\_TERM 2, 2015\_ EXAMINATION**

**FORM 1**

**CHEMISTRY**

**TIME: 2HRS**

**NAME…………………………………………………………………………………………ADM. NO……………….. CLASS:…………….**

**Instructions to candidates**

**Answer all the questions.**

1. What is chemistry? (2 marks)

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1. State two roles of chemistry. (2 marks)

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1. Name the apparatus drawn below and state its function. (2 marks)
2. State four laboratory rules. (4 marks)

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1. Name three frequently abused drugs. (3 marks)

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1. State four differences between luminous and non-luminous flames. (4 marks)

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1. What is sublimation? (2 marks)

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1. List 3 substances that sublime. (3 marks)

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1. Why is the water collected doing decantation is not clear? (1 mark)

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1. The diagram below shows a method of separating mixtures.
2. Name the method of separation. (1 mark)

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1. Name the liquid labelled C. (1 mark)

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1. Name the solids labelled D. (1 mark)

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1. What is saturated solution? (2 marks)

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1. List 3 applications of crystallization. (3 marks)

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1. Which is the best method of separating paraffin and water? (1 mark)

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1. The diagram below shows a method of separating mixtures. Study it and answer the questions that follow:-
2. Why is it possible to separate ethanol from water? (1 mark)

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1. State the role played by apparatus C. (1 mark)

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1. What is the function of the glass beads? (1 mark)

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1. Name the apparatus. (2 marks)

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name liquid D. (1 mark)

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

1. Name the method of separation shown on the diagram. (1 mark)

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1. Give two application of the method of separation in (f) above. (2 marks)

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1. The diagram below shows the 3 states of matter.

Solid

Liquid

Gas

A

C

D

B

Name the processes:- (2 marks)

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What effects do impurities have on the:-

(i) Melting point (1 mark)

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(ii) Boiling point (1 mark)

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1. State the kinetic theory of matter. (1 mark)

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1. List four differences between physical change and chemical change. (4 marks)

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1. Write a word equation between:-
2. Carbon and oxygen. (2 marks)

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1. Iron and sulphur (2 marks)

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1. Write the chemical symbol of the following elements.
2. Sodium (1 mark)

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1. Calcium (1 mark)

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

1. Lead (1 mark)

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

1. Copper (1 mark)

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

1. Carbon (1 mark)

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

1. Define the following terms.
2. Atom (1 mark)

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1. Molecule (1 mark)

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1. Compound (1 mark)

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1. The graph below shows the shape of the curve obtained by a student when solid x was heated to boiling.

50

40

30

20

10

0

P

Q

R

S

Time in minutes

Temperature oC

1. Determine the boiling point of solid x from the graph. (1 mark)
2. State what happens at portions.

PQ (2 marks)

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

QR (2 marks)

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

RS (2 marks)

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