

ST. MARGARET COLLEGE MAKERERE
EOT TERM III 2011
CHEMISTRY S. 1

Instructions: answer all questions

Time: 1 hr: 30min.

1. a). Define the terms;

i). an atom

iii. Atomic number

ii). a molecule

iv. Mass number

b). Copy and complete the table below by filling in the symbols or name of the given symbol of atoms.

Name	symbol
Hydrogen atom	
Magnesium	
	Cu
Water	
	Mn
	Al
Hydrogen molecule	
Calcium	
Carbon	
	O

2. a). What is meant by a Bunsen burner

b). state 2 types of flames produced by a Bunsen burner

c). what causes burning back in a Bunsen burner.

3. Explain the following chemical terms and give one example respectively.

i). hygroscopy

ii). Deliquescence

iii). Efflorescence

b). Some white crystals were put in a test tube (t.t) and two different liquids were added. When liquid A was added in the t.t, the crystals remained white.

When liquid B was added in above t.t, liquid B displaced liquid A and the crystals turned blue and two layers of liquids were formed. What name is given to the,

i). salt crystals

ii). Liquid B

c). Given 2 examples of liquids which could be used as liquid A.

d). What property and general term of liquids A and B is demonstrated by forming two layers.

i. Property

ii. General term

e). how can the above liquids be separated

4. a). Define the term 'Rust'

b). Give 2 conditions necessary for rusting to occur

c). Name the element in which rusting occurs, hence write the chemical name of rust.

i. Element

ii. Chemical name of rust

d). Give 3 ways in which rusting of 'iron sheets' on buildings can be prevented.

END (Every thing is chemistry)

WISH YOU A HAPPY X-MASS & A CHEMICALLY STABLE NEW YEAR