UNITED REPUBLIC OF TANZANIA

PRESIDENT'S OFFICE REGIONAL ADMINISTRTION AND LOCAL GOVERNMENT



SONGEA MANICIPAL COUNCIL MANICIPAL FORM ONE ANNUAL EXAMINATION

SUBJECT: CHEMISTRY CODE; 032

Time: 02:30 HRS Nov 2023
Student name's School reg:

INSTRUCTIONS

- 1. This paper consists of ten (10) questions in section A, B and C
- 2. Answer ALL questions from both sections
- 3. Write your full name and stream on top of every page of your answer sheets
- 4. Cellular phones or calculators are not allowed in the examination room

FOR ONLY EXMAMINER

QN:	Initial	Marks(scored)
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		

SECTION A (15MARKS)

- 01. For each of the items (i)-(x), choose the correct answer among the given alternatives and write the correct letter in the box provided
 - i) A form one student from Juhudi secondary school discovered that, it is impossible to light up the fire in a vacuum due to the absence of a certain gas. Which gas do you think is missing?
 - A. Nitrogen
- B: Carbon dioxide
- C: Hydrogen
- D:

Oxygen

- ii) Kenyatta obtained the results from his experiment which did not support the hypothesis. What should Kenyatta do?
 - A. To change the experiment
- B: To identify a new problem
- C: To leave out the results
- D: To give the ideas for further testing and find a

- solution
- iii) Identify the set of material products made by application of chemistry knowledge which are used in domestic cleanliness

	A. Potassium acetateC: Bromochloro-difluoromethane.nitrogen	B. Prote D. Fine			-		pressur	ized by
vii)	Which method is used to separate	the mix	ture fr	om the f	ollowing	g liquid	² \$	
	Liquids		Boil	ing poi	nts			
	Methanol		65 '	'C				
	Water		100	°C				
	Butanol		118	°C				
viii	Ashura finished the practical active salt in water using test tube. You test tubes and where should test to A. Clean cloth and put them into B. Test tube brush and put them into C. Clean cloth and put them into D. Test tube brush and put them into D. Test tube brush and put them in	as form on the beak of the beak of the test tube of the test tube of the test to be the test to	day. Sone stukept for kers rube ho rube ro	he was dent, wl or future olders	testing nat Ashi use?	ura used	bility ef d to clea	ffect of an the
ix)	Madenge prepares a family dinn name is given to this burn? A: injury B: Scar C	er. Accid C: Scald	entally		water Vound	burns he	er hand	. What
x)	Which of the following you think is A: Petroleum jelly B: First aid	s not imp			the firs		t? Torch	
	Question i ii iii	iv	٧	vi	vii	viii	ix	х

iv) Mrs. Shomari was washing the school uniforms of her children. She put wet uniforms on sunlight to dry. What change of state of matter involved when drying wet school

v) Mr. Kamuzu went into laboratory to test for components of air. he put small amount of lime water into watch glass and left it for two days. After two days, he observed that lime water turned milky. You as a form one best student in chemistry, what do you think

vi) Mwatumu, a form one tudent at a certain school has a great pleasure to know the

chemical composition of agents of portable fire extinguishers. Imagine she is your best

C. Liquid to gas

C. Noble gases

D. Gas to liquid

D: Carbon dioxide

B. Solid to gas

B: Oxygen

A. Tooth paste, oil, detergent and deodorantB. Soap, deodorant, tooth paste and oil

D. Drugs, tooth paste, soap and oil

was the cause of this milky in limewater?

friend, use Dry Chemical/powder to tell her

uniforms?

A. Gas to liquid

A: Water vapour

C. Detergent, deodorant, soap and tooth paste

Answer					

02. Match the items of changes of states of matter in Column A with their responses from Column B by writing the correct letter in the box drawn below

COLUMN A	COLUMN B
Solid iv ii iii LiquidGas i	A. Freezing point B. Condensation C. Melting point D. Sublimation E. Boiling point F. Evaporation G. Deposition H. Freezing I. Melting

COLUMN A	i	ii	iii	iv	٧
COLUMN B					

SECTION B:(70 marks)

- 03. (a) Some elements have their symbols completely different from their common English names
 - i. Where are their symbols derived from?

ii. List down any four elements of this kind with their symbols

Element	Symbol	
Example: Sodium	Na	
i		
ii		
iii		
iv		

(b) During Chemistry session,	Teacher	Mkolo	told	Anitha to) list	the	elements	she	knows.
Anitha wrote N and Ca.									

i.	What are full names of these elements? N	and
	Ca	

ii.	Why did Anitha	use	letters	instead	of	writing	full	names?	Give	any	three	(03)
	reasons											

a.	
b.	

(α) (i) Define fire		
(ii) What are components	of fire? Mention down	
carrying petrol and tank B v	oratory, there were two openly vas carrying Sodium metals. Sud l cross (x) for not suitable fire e	ddenly both tanks caught fire.
Fire extinguisher	Container A	Container B
Example: Foam	V	V
Water		
Wet chemical		
Carbon dioxide		
. (a) Imagine your chemistry to	eacher provides you the followi	_
. (a) Imagine your chemistry to	ibelled from A to E with their mixtures	_
. (a) Imagine your chemistry to mixtures. The bottles were lo you could to separate the m A. Sand and iodine B. Cooking oil and	ibelled from A to E with their mixtures	_
a. (a) Imagine your chemistry to mixtures. The bottles were lot you could to separate the m A. Sand and iodine B. Cooking oil and water C. Maize and beans D. Table salt and water (sa solution) E. Sulphur powder and iron (b) Is chemistry useful in your	It If fillings If life? Say YES or NO a	nd give any five (05) reasons
a. (a) Imagine your chemistry to mixtures. The bottles were look you could to separate the material A. Sand and iodine B. Cooking oil and water C. Maize and beans D. Table salt and water (sa solution) E. Sulphur powder and irom (b) Is chemistry useful in your i.	Ibelled from A to E with their mixtures It fillings r life? Say YES or NO a	nd give any five (05) reasons
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V	
O6. (a) Asumani takes a spoonful of sugar and breakfast. Tell Asumani that, which is come	nd adds into water to prepare a tea for appound and which is mixture between water and
	, differentiate between water and tea using
concept of compound and mixture	
Water	Teα
i	
ii	
iii	
iv	
(b) Changes of states of matter is very important i. i. ii. iii. iii. iii. iii. iv.	nt in our daily lives. How this statement is correct?
v	
07. Bunsen burner is able to produce both ty is full open and the other is formed when (a) Differentiate these types of f	
When air hole is full opened	When air hole is full closed
(b) Give one use from each flame When air hole is opened When air hole is closed	
08. (a) Madam Catherine guided her student types of solution. Students added a spoo	ts to conduct an experiment to distinguish the onful of common salt into water and salt dissolved. salt can dissolve. Then they heated up this solution

i.	What type of solution t	formed when spoonful of salt ad	lded into water and dissolve
ii.	What type of solution formed which no more salt can dissolve into water? What was final solution formed when the solution heated up?		
iii.			
(b.)	•	tion and suspension just by their	appearances
No	ame and draw the warni	ints to label the warning signs or ng signs do you think the labora	
	ontainers containing the fo hemical contained	Name of warning sign	Its diagram
		Name of warning sign	iis alagraiii
Ro	at poison		
Rc	adioactive materials		
Ну	ydrogen peroxide		
Co	oncentrated acid		
Ke	erosene		
ye to	ear started to change its tell them the cause, answ	SECTION C (15MARKS) ed on what happened on their becolour to reddish-brownon its surver the following questions esh-brown color a chemical or ph	face. Imagine you are need
·	(ii) if it's physical or che	emical change, give any four (04	l) reasons
	d. (iii) Give any two exc	amples of this change	
(b		ess do you think was taking plac	e on the surface of bridge?
	(ii) Give the name of reformed		
	(iii) What conditions ne	cessary for the reddish-brown co	olor to appear?
(c)		nethods which can be used to pr material like in bridges	event this reddish-brown co