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GATITU SECONDARY SCHOOL P.O. BOX 327-01030 GATUNDU CHEMISTRY FORM 1 MID TERM EXAMINATION TERM 3 YEAR 2014.

NAME\_

<b>1.</b>	The diagram below shows the relationship between physical states of matter. Study it the questions that follow
Soli	d Liquid Gas
	T
a)	Identify the process T (4mks)
R:	
V:	
W:	
U:	
b)	Name two substances which can undergo the process represented by S and T (2mks)

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\_CLASS\_

ansi

	(a) agid	(6mks)	
iii)	Sulphric (iv)) acid		
).Name i) Car	the element present in the following compounds. bon (iv) oxide	· (1mk)	
		(11/2mk)	. 1,
ii) C	copper (ii) Nitrate		
iv)	Zinc Carbonate	(11/2mk)	
	e the symbol of the following elements (5mks)		
c) Giv i) Zin	e the symbol of the team.		
ii)Ma	gnesium		
iii) O	xygen		
iv) H	ydrogen		
v)Cł	nloriņe 		bonate
acio	3a) From the following list of compounds: zinc oxid I, iron (iii) chloride. i) Identify two that sublime (2mks)	de, solid Carbon (IV) Sweep	

iii)	Write a word	d equation	between s	odium carb	oonate and	nitric acid	(2mksu	
)raw an nks)	d name the	apparatus	you would	use in the	separation	of a mixtu	ure of keros	sene and wate
me								
iagram								
		laboros	staristic of a	acids. (6m				
4a) Stat	te three gene	eral charac	eteristic of a	acids. (6m				
4a) Stat					nks)			
4a) Stat			eteristic of a		nks)			
ii)					nks)			
ii) iii)					nks)			
iii)iii)	e any three {	general ch	aracteristic	s of bases	nks)			
iii) iii) b) State	e any three {	general ch	aracteristic	s of bases	nks)			
iii) iii) b) State	e any three (	general ch	aracteristic	s of bases	nks)			
iii) iii) b) State ii	e any three (	general ch	aracteristic	s of bases	nks)			
b) State ii) iii) b) State ii)	e any three (	general ch	aracteristic	es of bases	nks)			
b) State ii) c) Use	e any three (	general ch	aracteristic	es of bases	nks)		G 8.0	H   11.0

- i) Select the strongest acid (1mk) Select the strongest Base ii) (1mk) iii) Which solution is distilled water (1mk) iv) Which solution is likely to be: Lemon juice (1/2mk)Common salt (1/2mk)Rain water (1/2mk)Soap solution (1/2mk)Ash solution (1/2mk)
- 5. The following data gives the  ${\sf P}^{\sf H}$  values of A, B and C.

V)

Solution	рн
A	13.9
В .	6.7
С	1.5

Which solution in II have no effect on litmus paper (1mk)

i)	Which solution would give pink colour after adding a few drops of phenoiphinalem:  (1 mk)
ii)	Give the possible identity of the above solution (1mk)
b) Which	solution would produce carbon (iv) oxide when reacted with copper (II) carbonates. (1mk)
6a) Write (8 n	e word equation for the reaction between dilute hydrochloric acid and each one of the following iks).
i)	Zinc metal
ii)	Calcium hydrogen carbonate
iii)	Magnesium oxide
	Potassium hydroxide
iv)	
V)	Which of the reactions above are neutralisation reactions? (2mks)

ii) Explain the above. (2mks)