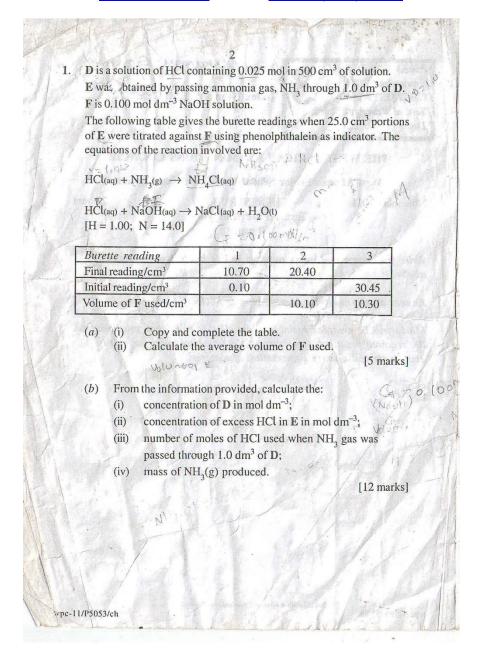
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P5053 WASSCE November 2011 CHEMISTRY 3 Test of Practical Work 2 hours	Name	
THE WEST A	FRICAN EXAMINATIONS CO	UNCIL
West African	Senior School Certificate Exami	nation
November 2011	CHEMISTRY 3 TEST OF PRACTICAL WORK [50 marks]	2 hours
Write your name and above.	index number in ink in the space	es provided
	d mainly for details that show the	it you have had
Marks will be awarde		it you have had
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The tests	complete the table	le below were perforn	ned as indicated.
	Test	Observation	Inference
(a) (i)	G + heat	Colourless, odourless gas evolved	1 1 200 O 160 1-3
(ii)	Gas tested with glowing splint	Glowing splint rekindled	Oran constitution
(iii)	G + strong heating	Brown gas evolved which turned damp blue litmus paper red	NI
	1	Residue was yellow when hot and white when cold	
(b) (i)	Solution of G + FeSO <sub>4</sub> (aq) + conc. H <sub>2</sub> SO <sub>4</sub>	Bigin in Identia	90 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
(ii)	Solution of G + NH <sub>3</sub> (aq) in drops and then in excess	White gelatinous precipitate formed  Precipitate dissolved	CI- Soul
(c) Na	me G and write its	formula.	[13 marks]
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3. (	a) State one reagent with the necessary condition that can be used to distinguish between  (i) secondary alkanol and tertiary alkanol,  (ii) terminal alkyne and non-terminal alkyne.  [4 marks]
	b) What would be observed when each of the following salts is heated:  (i) sodium chloride crystals;  (ii) zinc trioxocarbonate (IV) powder;  (iii) sodium trioxocarbonate (IV) decahydrate crystals.
	c) Outline the technique that could be used to purify a sample of potassium chloride contaminated with sand.  [4 marks]
	d) Give one use of each of the following pieces of apparatus:  (i) spatula;  (ii) stirrer;  (iii) crucible;  (iv) water bath;  (v) fume chamber.  [5 marks]
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