Acids, Bases and Salts

Mark Scheme 7

Level	IGCSE
Subject	Chemistry
Exam Board	CIE
Topic	Acids, Bases and Salts
Sub-Topic	
Paper Type	Alternative to Practical
Booklet	Mark Scheme 7

Time Allowed: 53 minutes

Score: /44

Percentage: /100

1	(a	straight line (1)	DRAWN WITH A RULER	[1]
	(b)	inaccurate point is at p	H 5 (1) not on line (1)	[2]
	(c)	% corrosion decreases	s as pH increases (1)	[1]
2	(a	boxes filled in cor	rectly to show:	
2	ųα	measuring cylinde		
			i (1)	
		spatula (1)		
		beaker (1)		[3]
	(b)	blue		[1]
	(c)	heat (1)		
		to crystallising poi	nt (1)	[2]

3	(a		soil san	nple +	water (1)		
			stir/hea	t (1)			
			filter (1))			
			add Un	iversal	Indicator (1)		
			chart (1)			[5]
	(b)		more sa	amples	(1)		
			differen	ıt parts	of field (1)		[2]
	4	(a			Funnel Flask (Teat) Pipette/dropper	1 1 1	[3]
		(b)			e surface area	1 1	[2]
		(c)	ŗ	pH may	be different/vary at different places/fair test	1	[1]
		(d)		Refere No plar	nce to plants/crops growth	1 0	[1]

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Question	Answer	Marks	Guidance
6(a)	(te pipette;	1	
	evaporating dish/basin;	1	R: watch glass/clock glass/crucible/petri dish
6(b)(i)		1	
. , , , ,	(metal) with high melting point;	1	
6 (b)(ii)		1	
6(c) (i)	> 7/purple/blue/dark green;	1	
6(c)(ii)	/white/white precipitate/cloudy;	1	

7 Tests on solid **T**

- (b) (ii) white (1) precipitate (1) insoluble in excess (1) [2]
 - (iii) no/slight (1) precipitate (1) max 4 for (ii) and (iii) no reaction (1) only [2]
- (e) weak (1) acids (1) [2]
- (f) copper present(1) ethanoic acid/organic salt (1) [2]

[Total: 8]