CAMBRIDGE
INTERNATIONAL EXAMINATIONS

## **NOVEMBER 2002**

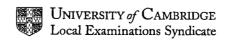
## **INTERNATIONAL GCSE**

MARK SCHEME

**MAXIMUM MARK: 30** 

SYLLABUS/COMPONENT: 0653/5

**COMBINED SCIENCE** (PRACTICAL TEST)



		74
Page 1	Mark Scheme	Sylla
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		200

Page	1	Mark Scheme IGCSE Examinations – November 2002	Syllar 0653	
٠			an 8cm.	
Q1 (a)(i)		answers should be within 3mm of each other and less the ore than 3mm on average different from SV	an 8cm.	
(ii)	correc	t calculation	1	
(iii)	correc	tly calculated	1	
(b)	Both answers should be within 3mm of each other and at least 8cm.  Not more than 3mm on average different from SV  2			
(c)		on A lower water potential than potato cells moves out of potato by osmosis	: -	
		on B higher water potential than potato cells/same water water moves into potato by osmosis/no net movement	r potential as 4	
			total 10	
			. ·	
Q2		and the first section of the f	,	
(a)(i)		correct conversion to kg	1	
(ii)	*.	correct value	1	
(b)		mass between limits		
		weighed to nearest 0.1g	2	
(ii)	•	both temperatures to nearest 0.5 C		
		any drop in temperature	2	
		temperature change correct 2.5g gives 6.0°C fa 3.0g gives 7.0°C fa		
		two marks if within 1°C allow one if within 2°C	2	
(iii)		correctly calculated	1	
(c)		endothermic because temperature falls	1	

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Q3.

(e)

(b)	Has five results			
	Good spread of temperatures			
	Within 10secs of SV for 35°C			
	Within 2 secs of SV at 65°C			
	All points for curve within 2 secs of curve	5		
(d)	Graph			
	Scale is sensible			
	Plotting correct			
	Acceptable curve	3		

surround reagents in ice

repeat experiment as above

total 10

2