

International General Certificate of Secondary Education

MARK SCHEME for the June 2005 question paper

0653 COMBINED SCIENCE

0653/05

Paper 5 (Practical Test), maximum raw mark 30

Man, Babacambridge.com

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

• CIE will not enter into discussion or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the June 2005 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Grade thresho examination.	I lds taken fo	r Syllabus 0	653 (Combin	ed Science)	in the June	trapapers.com
	maximum	miı	nimum mark re	equired for gra	de:	Sec.
	mark available	A	С	E	F	om
Component 5	30	24	17	13	11	

The threshold (minimum mark) for B is set halfway between those for Grades A and C. The threshold (minimum mark) for D is set halfway between those for Grades C and E. The threshold (minimum mark) for G is set as many marks below the F threshold as the E threshold is above it.

Grade A* does not exist at the level of an individual component.



June 2005

IGCSE

MARK SCHEME

MAXIMUM MARK: 30

SYLLABUS/COMPONENT: 0653/05

COMBINED SCIENCE Paper 5 (Practical Test)

	Page	1	Mark Scheme Syllabu	· A .
			IGCSE – JUNE 2005 0653	They are
(a)	(i)		quality diagram, clear, sharp pencil used, reasonable corres <i>v</i> isor's diagram	pont annu
	(ii)		labelled correctly ts flower in bud	point annual [2]
(b)	(i)		quality diagram of a petal as in (a)(i) above quality diagram of a stamen as in (a)(i) above	[2]
	(ii)	anther	correctly labelled	[1]
	(iii)	reason	nable values for lengths (drawn length can be checked and should be wi	thin 1 mm) [2]
	(iv)	magnif	fication = <u>length of drawing</u> or evidence of use of formula length of original	
		numer	rically correct answer	[2]
				Total 10
lf a	ny va	alues ar	re not recorded in mm, apply a penalty of one, but apply only once	
(b)	heię	ght of ru	ule above the floor is 40-50 mm less than $h_{\mbox{\scriptsize o}}$	[1]
	Tab	ole		
	ma	sses to	nearest gram	
			nearest gram is realistic, compare to others	
	valu	$ue of h_o$	-	
	valu tota	ue of h₀ Il mass	is realistic, compare to others	
	valu tota thre	ue of h₀ Il mass ee value	is realistic, compare to others correct	[5]
	valu tota thre	ue of h₀ Il mass ee value ections	, is realistic, compare to others correct es of h besides h_0 with deflections	[5]
	valu tota thre defl Gra	ue of h₀ Il mass ee value ections a ph	, is realistic, compare to others correct es of h besides h_0 with deflections	[5]
	valu tota thre defl Gra labe	ue of h₀ Il mass ee value ections a ph	is realistic, compare to others correct es of h besides h_0 with deflections are correct kes and suitable scale	[5]
	valu tota thre defi Gra labe	ue of h₀ Il mass ee value ections iph el for ax ting cor	is realistic, compare to others correct es of h besides h_0 with deflections are correct kes and suitable scale	[5]
	valu tota thre defl Gra labe plot	ue of h₀ Il mass ee value ections uph el for ax ting cor is stra i	, is realistic, compare to others correct es of h besides h_0 with deflections are correct kes and suitable scale rrect	

Page 2	Mark Scheme	Syllabu
	IGCSE – JUNE 2005	0653
attempt to meas	ure temperatures to 0.5 (.0 or .5)	amp
nitial temperatu	res within table are consistent with each other	Syllabu 0653 Syllabu 0653
temperature cha		
	up to $10^{\circ} + / -2$	
	up to 20° +/-3 above 20° +/-5	[3]
		[0]
oservation for	C correct i.e. spill pops	[1]
ny other correct	t observation for any other metal e.g. bubbles	[1]
(i) hydrog	en is named	[1]
(ii) order c	prrect from the results but C must be first	[1]
(iii) suitable	observation	[1]
		Total 10