WAN POR

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/23

Paper 2 (Graphic Products), maximum raw mark 50

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

	Pa	ge 2	Mark Scheme: Teachers' version	Syllabus	O ADAC AMBRIDGE
	ı a		GCSE – October/November 2010	0445	20
				1 0	S. /
A 1	Cer	(*	D YM		
	Out	()	Tig		
		side hex correct si	ze 50 side	(*)	
		gonals evident etals		(1	1)
		etals to correct size	e of O/I		1)
	Ste		7 61 672		1)
		f: R35 quadrant		('	
		Chord		Ì,	
					[Total: 9]
A2	Cor	nplete rectangle to	size 160 long	('	1)
		curacy and proporti		(,
	E			(*	1)
	R				1)
	S	i		(*	
		acing		(*	
	Hei	ynı		(1) [6]
					[Total: 6]
А3	(a)	Curved top		(*	1)
		Two arcs (similar	size to given)		1)
		Two arcs symmet	rical & constructed	(*	1) [3]
	(b)	Plan +/- 1 mm			
	(2)	Base correct – 80	square	(*	1)
		Neck – 40 square			1)
		3 squares concen		Ì.	1)
		Petal top – 58 squ	are		1) [4]
		Olderden			
		Side view	0.80	1.	1)
		Length of long sid Length of petal	20	(´ (´	
		Overall height	93 +/-2	(*	
			, <u> </u>	,	., [0]
					[Total: 10]
B4	(a)	Plan and F. E	00.5	,	
		Plan length	92.5	(1	
		Plan width	92.5 2 mm		1)
		Thickness top Thickness sides	2 mm 2 mm	(´ (´	
		Thickness bottom			1) 1) [5]
				(· , [~]

Page		ne 3	Mark Scheme: Teachers' version	Syllabus	2 Pr
	ı a	ge o	IGCSE – October/November 2010	0445	200
	(b)	2 vertical	positions of 4 holes als – correct spaces ntals – correct spaces	(4)	aba Cambridge
		Plant pot	t in position on plan representing top of plant pot	(1) (1)	
			representing bottom of plant pot le (Ø50 – thickness) to scale	(1) (1)	
	Correct posit		position on plan	(1)	[13]
	(c)	Ø70 proj Ø50 proj		(1) (1) (1))
	(d)	Size Ø3 In one of	rect size hole needed in top 33 +/- 2mm (Ø66 to scale) f 3 spare positions e of projection 0–2 pr	(1) (1) (2))
B5	(a)	75° / 90°	rawn into 5	(1) (1) (4) (2)	
	(b)	Appropris Suitable Informati Labels e	nensional chart iate method (e.g. bar) scale selected ion correctly plotted ×5 evident enhancement	(1) (1) (5) (1))
	(c)	Symbol to Symbol to Garden po Garden po Labels e	ures for annual report to match garden plants pr 1–2 to match cut flowers pr 1–2 plants larger than cut flowers plants approx 2.5 × larger than cut flowers evident	(2) (2) (1) (1) (1)	

[Total: 25]