UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

WANN, PapaCambridge.com 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.

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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	age 2	Mark Scheme: Teachers' version	Syllabus	
		IGCSE – October/November 2010	0445	°C.
Ou Ou Dia 6 p	entre circle to s utside hex any utside hex corr agonals evider petals petals to correc	size ect size 50 side nt	(1) (1) (1) (1) (1) (1)	da Cambrid
Ste	em		(1)	
Le	af: R35 quac Chord	Irant	(1) (1)	[9]
			. ,	[Total: 9]
		gle to size 160 long	(1)	
Ac E	curacy and pro	oportion of:	(1)	
R			(1)	
Sp	pacing		(1) (1)	
	eight		(1)	[6]
				[Total: 6]
3 (a)		milar size to given) mmetrical & constructed	(1) (1) (1)	[3]
(b)		t – 80 square quare hidden detail oncentric	(1) (1) (1) (1)	[4]
	Side view Length of lor Length of pe Overall heig	atal 20	(1) (1) (1)	[3]
				[Total: 10]
↓ (a)	Plan and F. Plan length Plan width Thickness to Thickness si Thickness b	92.5 92.5 pp 2mm ides 2mm	(1) (1) (1) (1) (1)	[5

		Mark Oak and Tarakanal and in	Syllabus r 0445 (4) (4) (1)	
Ра	ge 3	Mark Scheme: Teachers' version IGCSE – October/November 2010		
			°C	2
(b)		ositions of 4 holes		no.
		ls – correct spaces ntals – correct spaces	(4) (4)	3
	2 11011201		(+)	
		t in position on plan		
	A circle r Ø70 to s	epresenting top of plant pot	(1)	
	Ø70 10 S	Cale	(1)	
	A circle r	epresenting bottom of plant pot	(1)	
	Ø46 circl	le (Ø50 – thickness) to scale	(1)	
	Correct r	position on plan	(1)	[13
	Conect		(1)	[13
(-)	Diant	t in position on front claustion		
(C)	Ø70 proj	t in position on front elevation ected	(1)	
	Ø50 proj		(1)	
		0 from top base to p/II top	(1)	[3
(d)	The corr	ect size hole needed in top		
• •	Size Ø3	3 +/- 2mm (Ø66 to scale)	(1)	
		3 spare positions	(1)	
	Evidence	e of projection 0–2 pr	(2)	[4
			[Tot	al: 25
(a)	Pie char			
(a)	Circle dra		(1)	
	Divided i		(1)	
	Correct of			
		(450/1200/300 (450/1200/300)		
		/ 45° / 120° / 30° (max4) sectors – clear labels	(4) (2)	[8]
	Ziargest		(2)	[0]
(b)		ensional chart	(4)	
		ate method (e.g. bar) scale selected	(1) (1)	
		ion correctly plotted ×5	(1) (5)	
	Labels e	2	(1)	
	Colour e	nhancement	(1)	[9
(c)	2009 figu	ures for annual report		
	Symbol t	o match garden plants pr 1–2	(2)	
	•	to match cut flowers pr 1–2	(2)	
	-	plants larger than cut flowers	(1)	
	Labels e	plants approx $2.5 \times$ larger than cut flowers vident	(1) (1)	
		nhancement	(1)	[8]
				_
			[Tot	al: 25