UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## Wany, Papa Cambridge, com MARK SCHEME for the October/November 2009 question paper

## for the guidance of teachers

## 0445 DESIGN AND TECHNOLOGY

0445/02

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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er	Syllabus	Mark Scheme: Teachers' version	Page 2
	0445	IGCSE – October/November 2009	
an	Syllabus 0445 (1) (1) (1) (1) (1) (1)	sides	Hexagon –
Orid	(1)		Regular
'S	(1)		Orientation
	(1)		Triangle – c
[2]	(1)	on centre line	Equilateral
	(2)	side × 2	Path
[4]	(2)	length of side × 2	Rectangle
「otal: 9]	[Т		
		· · · ·	
	(2)	I proportion of:	Accuracy a <b>R</b>
	(1)		т
	(1)		Y
[6]	(1) (1)		Spacing Height
fotal: 6]			J. J
	(1)		(a) Width
	(1)	top of shoulder	Height
	(1)	epth	
	(1)	eight noulder depth	
	(1) (1)	idius	
[7]	(1)	idius plots evident	
	(1)	front edge	(b) Thin lin
101	(1)	e outer edge	Thick li
[3]	(1)	n on slot	I NICK/ti
otal: 10]	[To		

(1) (1) (2) (2) (2) (2) (1) (1) (1) (1) (1) (1)	Cambrid [10]
(1) (1) (1) (1) (1)	
(1) (1) (1) (1)	[10]
(1) (1) (1)	[10]
(1) (1)	
(1) (1)	
(1)	
(1)	
(1)	[5]
(1)	
( <i>Z</i> ) (1)	[5]
(')	[0]
(3)	
(2)	
(1)	[3]
(1)	
(1)	[2]
ITe	otal: 25]
	(1) (1) (1)

Pa	nge 4	Mark Scheme: Teachers' version	Syllabus Syllabus	er
		IGCSE – October/November 2009	(1) (1) (1) (1) (1) (1) (1)	-
(a)	Front Vie			-an
(a)	First angle		(1)	26.
	•	on with PLAN	(1)	10
	Overall he		(1)	
	Cut out:	Jgn	(')	
		ontal base line to side 4	(1)	
	horizo	ontal base line to side 5	(1)	
	60–90	0 slope to top of side 4	(1)	
	horizo	ontal top of side 5	(1)	
	vertic	al edge to side 6	(1)	
	Plan view	1		
	Regular o	ctagon	(1)	
	Orientatio	n to match E.V.	(1)	[10]
(b)	Developn	nent		
(-)	8 equal w		(1)	
	window ha	as full panels on both sides	(1)	
		idth over panels 4, 5 & 6	(1)	
		at top in middle	(1)	
		eight in middle 45	(1)	
	2 sloping		(1)	
		nent starts at given joint	(1)	
	Lid regula		(1)	[4 4]
	3 flaps to	110 3 × 1	(3)	[11]
(c)	Octagona	lshana	(1)	
(0)	Satisfies b		(1)	
		lown flaps 60 long	(1)	
	Notes		(1)	[4]
			[To	otal: 25]