UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/22 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.

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

Cambridge is publishing the mark schemes for the May/June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page	e 2	Mark Scheme: Teachers' version	Syllabus Syllabus	
		IGCSE – May/June 2012	0445 73	
C A	Centre de Arcs drav	tional square 80 A/F (2) etermined (1) wn (1) wn to arc/square plot (1)	Syllabus 0445 5	
• •	S <i>emi-circ</i> Semi-circ	cle cle to length of side (1)	[1	
	<i>Triangles</i> Two triar	s Igles equilateral (2)	[2	
			[Total: 8	
S		and proportion of: (1)	[4	
v h	Q <i>uadrilat</i> vertical (norizonta Repeat a	n ⁽ (1)	[3	
			[Total: 7	
Top r Top r O/H t Tape Semi	ectangle ectangle to top of r sides x -circle p -circle c		[10	

Page 3		Mark Scheme: Teachers' version	Syllabus	
		IGCSE – May/June 2012	0445	
l (a)	2 side fla Radius o Side flap Tuck-in f	les shown in correct position (7)	Syllabus 0445 0445	101103 [12]
(b)		rical (1) f (1)		[8]
(c)		ded (1) ect face (1) et orientation (1)		[3]
(d)		slots or similar 0-2 of arrow tab/slot =0) (2)		[2]
			[Total	: 25]

P	age 4	Mark Scheme: Teachers' version	Syllabus	r
		IGCSE – May/June 2012	Syllabus 0445	
5 (a) Pie char	t		an
,u	Circle (1			10.
	6 divisio			19
		ect (1 mark)		
		ect (2 marks)		
		ect (3 marks)		
		n correct segment or key (1)		
	Quantity	shown (1)		[7]
(b) Bar char	t		
\	,	easons correctly referenced (1)		
		hart (winter to summer) (1)		
	To appro	oximate scale (1)		[3]
(c) Three di	mensional bar chart		
()	3D (1)			
	Winter			
		ocks in 3D (2D = 0 marks) (up to 3 marks)		
		value to scale (3x1 up to 3 marks)		
	Labels a	dded and correct to value (1)		
	Summer			
		ocks in 3D (2D = 0 marks) (up to 3 marks)		
		value to scale (3x1 up to 3 marks)		
	Labels a	dded <i>and</i> correct to value (1)		[15]