UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/21 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.

		Mary Mary				
Page 2		ge 2	Mark Scheme: Teachers' version	Syllabus of r		
\1 (i	a)	Octagor Constru Centre o Arcs dra	ctional square 80 A/F (2) determined (1) wwn (1)	0443 BCannbridge.co		
(b)	Side dra Semi-cii Semi-cii	rcle rcle to length of side (1)	[5]		
(c)	<i>Triangle</i> Two tria	s ngles equilateral (2)	[2]		
.2 (;	a)	Lettering Accurac K (1 Y (1 Spacing Height (y and proportion of:)) (1) 1)	[4]		
(1	b)	Quadrila vertical horizont Repeat	ateral border (1) al (1) angle (1)	[3] [Total: 7]		
.3 k T C T S S	sor Fop Fop D/H Fap Sen	netric rec rectangl rectangl to top o er sides ni-circle p ni-circle o	etangular base 50 x 80 (2) e height 20 (1) e in line with base (1) f top rectangle 160 (1) x2 (2) blots (1) constructed curve (1)	[40]		
F	кер			[10]		
				[Total: 10]		

Page 3	Mark Scheme: Teachers' version	Syllabus	r
	IGCSE – May/June 2012	0445 23	
34 (a) Develop Extra sic 2 side fla Radius o Side flap Tuck-in Tuck-in	<i>ment</i> des shown in correct position (7) aps (1) on side flap (1) os 45 long (1) flap 10 (1) flaps angled (1)	60	mbridge.com [12]
(b) Arrow-ta Symmet Stand of Neck (1) Slot size Min 4 ar	nbs rical (1) f (1) e to match neck (1) row-tabs shown (4x1)		[8]
(c) PYO add On corre In correc	ded (1) ect face (1) ct orientation (1)		[3]
(d) Halving (repeat)	slots or similar 0-2 of arrow tab/slot =0) (2)		[2]
		ſTota	l: 251

Page 4	Mark Scheme: Teachers' version	Syllabus Syllabus
	IGCSE – May/June 2012	0445 23
35 (a) Pie cha Circle (6 divisi 2 x cor 3 x cor 4/5 cor Labels Quanti	<i>t</i>) ns (1) ect (1 mark) ect (2 marks) ect (3 marks) on correct segment or key (1) y shown (1)	ambridg [7]
(b) Bar cha Three s Rising To app	art seasons correctly referenced (1) chart (winter to summer) (1) roximate scale (1)	[3]
(c) Three (3D (1) <i>Winter</i> Three I Correc Labels	dimensional bar chart blocks in 3D (2D = 0 marks) (up to 3 marks) t value to scale (3x1 up to 3 marks) added and correct to value (1)	
Summe Three I Correc Labels	er blocks in 3D (2D = 0 marks) (up to 3 marks) t value to scale (3x1 up to 3 marks) added and correct to value (1)	[15]
		[Total: 25]