UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper

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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.

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

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UNIVERSITY of CAMBRIDGE International Examinations

Page		ge 2	Mark Scheme: Teachers' version			Syllabus		Paper	
			IG	iCSE – Octo	ber/Novembe	er 2010	0445	2	1
A1	V A L S Spa	A -				(1) (1) (1) (1) (1) (1)	[6] Fotal: 6]		
A2	(a) Octagon Outline (8 sides) Regular				(1) (1)	[2]			
	(b)	Nose R1 Quadran	e (width1 - 10	- O/L 1) eight 1- arc 1)			(1) (2) (1) (2) (1)	[7]
								נז	Fotal: 9]
A3	(a)	Ø56 part R 68 arc	idistant ap circle dra	wn ×2 mØ56 centre	ə ×2			(1) (1) (2) (2) (2)	[8]
	(b)	Suitable	cut / trian	gular slit / ins	ert 0–2 pr				[2]
			-				[To	[Total: 10]	
Β4	(a)	Plan and Plan leng Plan widt Thicknes Thicknes Thicknes	gth th ss top	95 95 2 2 2				(1) (1) (1) (1) (1)	[5]
	(b)		ls – correc	f 4 holes ct 4 spaces rect 4 spaces	5			(4) (4)	
				<i>plan</i> ng top of cup				(1) (1)	
				ng bottom of thickness) to				(1) (1)	
			osition or	,				(1)	[13]

Page 3		ge 3	Mark Scheme: Teachers' version	Syllabus	Paper	
			IGCSE – October/November 2010	0445	21	
	(c)	Ø80 proj Ø40 proj			(1) (1) (1)	[3]
	(d)	Size Ø3 In one of	rect size hole needed in top 60 +/- 1 mm f 3 spare positions e of projection 0–2 pr		(1) (1) (2)	[4]
				[Total: 25]		
B5	(a)	2 largest	awn		(1) (1) (4) (2) (1)	[9]
	(b)	Appropri Suitable Informati Labels e	ensional chart ate method (e.g. bar) scale selected ion correctly plotted ×5 vident nhancement		(1) (1) (5) (1) (1)	[9]
	(c)	Symbol t Symbol t Freight la Freight a	tures for annual report to match freight pr 1–2 to match private pr 1–2 arger than private approx 2.5 \times larger than private inhancement		(2) (2) (1) (1) (1)	[7]
		[Total: 25]				