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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper 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.

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.

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Page		ge 2	Mark Scheme: Teachers' version Syll				Syllabus	ous r		
			IG	CSE – Octob	oer/Novemb	er 2010	0445	10	8	
A 1	V A L S	Accuracy and proportion of: V A L S Spacing Height						(1) (1) (1)	[6]	
A2	(a)	Octagon Outline (Regular						(1) (1)	[2]	
	(b)	Fuselage Nose R' Quadran		O/L 1) ight 1- arc 1))			(1) (2) (1) (2) (1)	[7]	
								L	Total: 9]	
А3	(a)	Ø56 part R 68 arc	idistant ap t circle drav	vn ×2 n Ø56 centre	e ×2			(1) (1) (2) (2) (2)	[8]	
	(b)	Suitable	cut / triang	ular slit / inse	ert 0–2 pr				[2]	
	. ,	·			[Total: 10]					
								L.	otan roj	
B4	(a)	Plan and Plan leng Plan wid Thicknes Thicknes Thicknes	gth th ss top	95 95 2 2 2				(1) (1) (1) (1) (1)	[5]	
	(b)	2 vertica	ositions of ls – correc ntals – corr					(4) (4)		
				olan g top of cup				(1) (1)		
				g bottom of o				(1) (1)		
		Correct p	oosition on	plan				(1)	[13]	

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Page 3		ge 3	Mark Scheme: Teachers' version	Syllabus	. P	r
			IGCSE – October/November 2010	0445	Do	
	(c)	Ø80 proj Ø40 proj			(1) (1) (1)	Cambridge
	(d)	Size Ø3 In one of	rect size hole needed in top 30 +/- 1 mm of 3 spare positions te of projection 0–2 pr		(1) (1) (2)	[4]
					[To	otal: 25]
B5	(a)	2 largest	rawn		(1) (1) (4) (2) (1)	[9]
	(b)	Appropri Suitable Informati Labels e	nensional chart iate method (e.g. bar) e scale selected tion correctly plotted ×5 evident enhancement		(1) (1) (5) (1) (1)	[9]
	(c)	Symbol to Symbol to Freight la Freight a	tures for annual report to match freight pr 1–2 to match private pr 1–2 larger than private approx 2.5 × larger than private enhancement		(2) (2) (1) (1) (1)	[7]

[Total: 25]