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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2011 question paper 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.

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Page 2		ge 2	Mark Scheme: Teachers' version	Syllabus]
			IGCSE – May/June 2011	0445	
A 1	(a)	Any right 80 x 80 (t-angled triangle (1) (1)	Syllabus 0445	TO CO
	(b)	Any quad R40 (1) Two miss	drant (1) sing lines from hull (1+1) (2)	[4]	7
	(c)		octagon (1) ular octagon (1)		
		90 A/F (1	1)	[3]	I
				[Total: 9]	
A2	(a)	Missing I	line (1)	[1]	l
	(b)	Accuracy R (2 E (1)			
		Spacing Height (1	(1)	[5]	í
		rieigni (i	1)		
				[Total: 6]	
А3	(a)	Height of 15 SQ ho	of rectangular upright (2) f rectangular upright 100 (1) ole on correct face (1)		
			circles (2) on Ø or crate (1)	[7]	
	(h)	Thin line	front edge (1)		
	(6)	Thick line	e outer edge (1)	ro1	i
		I nick / tr	nin on square hole (1)	[3]	
				[Total: 10]	
В4	(a)	5 extra s Two furth Glue tabe Glue tabe One glue 3 fold in	sected surfaces (1) surfaces to O/L tolerance +/-5mm on 54 slope to lid a her glue tabs (any base position) (2) as correct width (1) as with angled ends (1) at tab on (sloping) side (1) flaps with radius (3)	allow for error c/f (5)	
		Coin slot	s (4 x 1) (4) t correct size (1) t on lid (1)		
			t correct orientation (1)	[21]	

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[Total: 25]

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Page 3		Mark Scheme: Teachers' version	Syllabus
		IGCSE – May/June 2011	0445
(b) Sketc	: – suitable method Slot on lid / extra tab etc Pr 0-2 (2)	Syllabus 0445
		vident (1) pod (1)	[4]
			[Total: 25]
B5 (a) Flat V	ew	
	N N	uter rectangle 240 length + 120 width (1) ast correct 10 wide (1) ast correct position 140 from RHS (1) ast protruding (1)	
	4 2 s 2	e': tall (1) x 80 rectangle to R of mast (1) x 80 rectangle to L of mast (1) mi-circle R30 on centre line (1) fold lines shown (2x1) (2) yo 'wings' 50 long (2x1) (2)	
	M M C	ellipse: ajor axis 100 (50 shown) (1) nor axis 80 (1) n centre lines given (1) onstruction Pr 0-2 (2) occurate outline to construction (1)	[18]
(b		iew at correct position (2x1) (2) le 70 x 70 x 100 shown (1)	[3]
(c		g slots etc. Pr 0-2 (2) Pr 0-2 (2)	[4]