

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		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – May/June 2011	0445	22
A1	(a)	Any right 80 x 80 (t-angled triangle (1) 1)		[2]
	(b)	Any quao R40 (1) Two miss	drant (1) sing lines from hull (1+1) (2)		[4]
	(c)		octagon (1) ılar octagon (1) ı)		[3]
			· ,		[Total: 9]
A2	(a)	Missing I	ine (1)		[1]
	(b)	Accuracy R (2 E (1			
		Spacing Height (1	(1)		[5]
					[Total: 6]
A3	(a)	Height of 15 SQ ho	of rectangular upright (2) f rectangular upright 100 (1) ble on correct face (1)		
			circles (2) on Ø or crate (1)		[7]
	(b)	Thick line	front edge (1) e outer edge (1) hin on square hole (1)		[2]
		THICK / U			[3] [Total: 10]
B4	(a)	5 extra s Two furth Glue tab Glue tab One glue 3 fold in f Fold line Coin slot	ected surfaces (1) urfaces to O/L tolerance +/-5mm on 54 slope to lid a ner glue tabs (any base position) (2) s correct width (1) s with angled ends (1) e tab on (sloping) side (1) flaps with radius (3) s (4 x 1) (4) c correct size (1)	allow for error c/f (5)	
			con lid (1) correct orientation (1)		[21]

	Page 3		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – May/June 2011	0445	22
	(b)		– suitable method Slot on lid / extra tab etc Pr 0-2 (2)		
		Notes:			
		Evid	ent (1)		
		Goo	d (1)		[4]
					[Total: 25]
В5	(a)	Flat Viev	V		
		Mas Mas	er rectangle 240 length + 120 width (1) t correct 10 wide (1) t correct position 140 from RHS (1) t protruding (1)		
		40 x 20 x sem 2 fol	all (1) 80 rectangle to R of mast (1) 80 rectangle to L of mast (1) i-circle R30 on centre line (1) d lines shown (2x1) (2) 'wings' 50 long (2x1) (2)		
		Semi-ellipse: Major axis 100 (50 shown) (1) Minor axis 80 (1) On centre lines given (1) Construction Pr 0-2 (2)			
		Accurate outline to construction (1)			[18]
	(b)		<i>v</i> t correct position (2x1) (2) 70 x 70 x 100 shown (1)		[3]
	(c)	<i>Joining</i> Tabs / sl Notes Pr	ots etc. Pr 0-2 (2) 0-2 (2)		[4]
					[Total: 25]