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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

0445/23

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 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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	Pa	ge 2	Mark Scheme: Teachers' version IGCSE – May/June 2011	Syllabus 0445
A 1	(a)		-angled triangle (1) - 20 from deck (1)	Syllabus 0445
	(b)	Any quad R40 (1) Two miss	drant (1) sing lines from hull (1+1)	[4]
	(c)		agon (1) hexagon 90 A/C (1) 8 from mast (1)	[3] [Total: 9]
A2	(a)	Missing I	ines (1)	[1]
	(b)	R (2) T (1) Spacing		
		Height (1)	[5]
				[Total: 6]
A3	(a)	Height of 20 SQ ho Square h Ø80 cylir 90 high o	nole central to side (1) nder top (1) cylinder (or crate) (1)	171
		Ø80 touc	ching sides of base (1)	[7]
	(b)	Tone app	olied (1) own different on min 2 faces (2)	[3]
				[Total: 10]
B4	(a)	Developr Six conne 5 extra si three furt (on 70 lo glue tabs glue tabs	d allow for error c/f (5)	
		Fold lines Coin slot Coin slot	flaps with radius ends (3) s (4 × 1) (4) size 30 × 5 (1) centrally on lid (1) correct orientation (1)	[21]

Pag		ge 3	Mark Scheme: Teachers' version	Syllabus	N. P.
			IGCSE – May/June 2011	0445	200
	(b)	Sketch: - Slot on li Extra tab Notes: Evident (Good (1)	o etc (1) (1)		[4]
B5	(a)	Mast cor Mast cor	ctangle 240 length + 120 width (1) rect 10 wide (1) rect position 140 from RHS (1) druding (1)		
		40 × 80 r 20 × 80 r semi-circ 2 fold line Two 'win Semi-elli	rectangle to R of mast (1) rectangle to L of mast (1) cle R40 on centre line (1) es shown (2 × 1) (2) rgs' 20 long (2 × 1) (2) rpse ris 120 (60 shown) (1)		
		On centre	e lines given (1) etion Pr 0–2 (2) e outline to construction (1)		[18]
	(b)		w t correct position (2 × 1) (2) 0 & 100 shown. (1)		[3]
	(c)	Joining Additiona Notes Pr	al card + joint Pr 0–2 (2) · 0–2 (2)		[4] [Total: 25]